

NAPP Technologies, Inc.

Lodi, New Jersey



Preliminary Assessment Report

ENSR Consulting and Engineering

February 1996

Document Number 9500-196-2OP



Napp Technologies, Inc.

Lodi, New Jersey

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Document Number 9500-196-20P



877490002

12/93

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF RESPONSIBLE PARTY SITE REMEDIATION
CN 028, TRENTON, NJ 08625-0028

PRELIMINARY ASSESSMENT REPORT

Please refer to the instructions and the Technical Requirements for Site Remediation, N.J.A.C. 7:26E-3.1 through 3.2., before completing this form. Answer all questions. Should you encounter any problems in completing this form, we recommend that you discuss the matter with a representative from the Site Remediation Program. Submitting incorrect or insufficient data may cause processing delays and possible postponement of your transaction. Please call (609) 633-7141 between the hours of 8:30 a.m. and 4:30 p.m. to request assistance.

PLEASE PRINT OR TYPE

Date _____

Industrial Establishment/Site Name Napp Technologies, Inc.

Address 199 Main Street

City or Town Lodi Zip Code 07644

Municipality Borough of Lodi County Bergen

Lot(s) 7 & 8, Leased Portion of 6 Block(s) 81.01

Site Remediation Program Case Number or EPA Identification Number

ISRA Case #95400

1. Operational and Ownership History from the time the site was naturally vegetated or used as farmland. (Attach additional sheets if necessary).

Name	Owner/ Operator ¹	From	To
<u>United Piece & Dye Works (UPDW)</u>	<u>Owner/Operator</u>	<u>1903</u>	<u>1939</u>
<u>Borough of Lodi</u>	<u>Owner</u>	<u>1939</u>	<u>1943</u>
<u>Jersey Bread Co</u>	<u>Operator</u>	<u>1939</u>	<u>1943</u>
<u>Russell Holding Corp.</u>	<u>Owner</u>	<u>1943</u>	<u>(See Attachment 1)²</u>
<u>Pattberg (aka Patterson)</u>	<u>Owner</u>	<u>Unknown</u>	<u>1946</u>
<u>Novelty Corp</u>	<u>Owner</u>	<u>Unknown</u>	<u>1946</u>
<u>B. L. Lemke & Co., Inc.</u>	<u>Owner/Operator</u>	<u>1946</u>	<u>1970</u>
<u>Nappwood Land Corp.</u>	<u>Owner</u>	<u>1970</u>	<u>Present</u>
<u>Napp Technologies</u> (formerly Napp Chemicals, Inc.)	<u>Operator</u>	<u>1970</u>	<u>Present</u>

¹ Napp Technologies acquired both Parcels A (Lot 8) and B (Lot 7) from B. L. Lemke & Co. The operational and ownership history for Parcel A is presented above. See Attachment 1 for operational and ownership history for Parcel B. Parcels A and B are identified on Figure 1 of Attachment 5.

Revision No: _____
Revision Date: _____

877490003

- 2A. Provide a brief description of the past operation(s) (e.g., industrial/commercial) conducted on site by each owner and operator (Attach additional sheets if necessary).

The previous owner, B.L. Lemke & Company, Inc. was a chemical manufacturer for the pharmaceutical industry which produced and stored dry pharmaceutical, cosmetic and food chemical products. The operating history of Parcel A between 1939 and 1946, prior to ownership by B.L. Lemke & Co., was unavailable from a review of local records. However, it appears that Jersey Bread Company operated on the premises under a lease agreement with the Borough of Lodi in 1939. Prior to B.L. Lemke & Co. operations, Parcel B was owned by Lodi Realty Corporation (1954 to 1963), Nathan and Lillian Summer (1945 to 1954), and the Borough of Lodi (1939 to 1945). While owned by the Borough of Lodi, Parcel B appears to have been leased to the Ronald Furniture Company at some time between 1939 and 1945. Information concerning site operations between 1939 and 1963 is unavailable. Prior to 1939, the United Piece & Dye Works (UPDW) appears to have utilized all or a portion of the subject property for their offices and shipping operations. The 1917 Sanborn Map shows Parcel B, located adjacent to the UPDW building, to be undeveloped. The site history was obtained based upon a review of Building Department records, deeds, historical directories, aerial photographs, and Sanborn Maps. Only limited information is available regarding operations by UPDW and by B.L. Lemke.

- 2B. Include a detailed description of the most recent operations subject to this preliminary assessment (Attach additional sheets if necessary).

(See Attachment 2B).

3. Hazardous Substance/Waste Inventory: List all raw materials, finished products, formulations and hazardous substances, hazardous wastes, hazardous constituents and pollutants, including intermediates and by-products that are or were historically present on the site (attach additional sheets if necessary).

Material Name	Typical Annual Usage	Storage Method/ Container Type/Size	Location Reference Keyed to Site Map	To Remain on site? If yes, indicate quantity
(See Attachment 3 to this report.)				
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

4. Summary of Wastewater Discharges of Sanitary and/or Industrial Waste and/or sanitary sludges: present and past production processes, including dates, and their respective water use shall be identified and evaluated, including ultimate and potential discharge and disposal points and how and where materials are or were received on-site. All discharge and disposal points shall be clearly depicted on a scaled site map.

A. Provide a narrative of disposal processes for all process waste streams and disposal points. (attach additional sheets if necessary)

Process wastewater discharged from manufacturing and processing activities conducted by Napp was regulated under the Passaic Valley Sewerage Commissioners (PVSC) industrial pretreatment program. The Napp facility operated an effluent pretreatment system which consisted of pH adjustment with sodium hydroxide and hydrochloric acid. This system was also monitored for percentage of lower explosive limit, BOD₅, total suspended solids, cyanide, and OCPSF parameters.

(See Attachment 4 for more information)

B. Discharge Period:

From	To	Discharge Type & Quantity, if known	Discharge/Disposal Point
<u>1970</u>	<u>Present</u>	<u>Sanitary</u>	<u>Public Treatment Works (PVSC)</u>
<u>1970</u>	<u>1981</u>	<u>Process Wastewater</u>	<u>Public Treatment Works (PVSC)</u>
<u>1981</u>	<u>Present</u>	<u>Process Wastewater</u>	<u>On-site Treatment to PVSC</u>

(See Attachment 4 for more information)

5. In accordance with N.J.A.C. 7:26E-3.2(a) 3.1, provide a scaled site plan, depicting the site boundaries, known limits of fill, paved and unpaved areas, structures and any of the potential areas of environmental concern listed below.

In accordance with N.J.A.C. 7:26E-3.1(c)1.v, a narrative shall also be provided for each area of concern describing the (A) Type; (B) Age; (C) Dimensions of each container/area; (D) Chemical Content; (E) Volume; (F) Construction materials; (G) Location; (H) Integrity (i.e., tank test reports, description of drum storage pad); and (I) Inventory control records, unless a Department-approved leak detection system, pursuant to N.J.A.C. 7:1E or 7:14B, has always been in place and there is no discharge history. A site investigation must be completed in accordance with N.J.A.C. 7:26E-3.10 for all areas which require sampling.

Area of Concern	Currently/Formerly Exists at facility Yes/No	Location Reference Keyed to Site Map	Sampling Proposed ³ Yes/No	Narrative provided to support proposal Yes/No
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(See Attachment 5A - 5F for narrative details, scaled site plan, and Storm and Process Drain Schematics)

A. Bulk storage tanks and appurtenances, including, without limitation:

Aboveground Tanks and associated piping	<u>Yes</u>	<u>1A - 1N</u>	<u>Yes: 1A-1C, 1F, 1H, 1N</u> <u>No: 1D, 1E, 1G, 1I-1M</u>	<u>Yes</u>
Underground Tanks and associated piping	<u>No</u>	<u> </u>	<u> </u>	<u> </u>
Silos	<u>No</u>	<u> </u>	<u> </u>	<u> </u>

³ Yes indicates a review of structural integrity and/or environmental sampling.

Area of Concern	Currently/Formerly Exists at facility Yes/No	Location Reference Keyed to Site Map	Sampling Proposed ³ Yes/No	Narrative provided to support proposal Yes/No
Rail Spurs or Sidings	<u>No</u>	_____	_____	_____
Above or below ground pump stations	<u>Yes</u>	<u>3A - 3F</u>	<u>Yes: 3A-3F</u>	<u>Yes</u>
Sumps	<u>Yes</u>	<u>4A - 4F</u>	<u>Yes: 4A-4F</u>	<u>Yes</u>
Pits	<u>Yes</u>	<u>5A - 5K</u>	<u>Yes: 5A-5K</u>	<u>Yes</u>
Rail/Truck loading and unloading areas	<u>Yes</u>	<u>6A - 6C</u>	<u>No</u>	<u>Yes</u>
Storage pads and areas including Drum and/or waste storage	<u>Yes</u>	<u>7A & 7B</u>	<u>No: 7B</u> <u>Yes: 7A</u>	<u>Yes</u>
Surface lagoons and impoundments	<u>No</u>	_____	_____	_____
Dumpsters	<u>Yes</u>	<u>8A</u>	<u>No</u>	<u>Yes</u>
Chemical storage cabinets or closets	<u>Yes</u>	<u>9A</u>	<u>No</u>	<u>Yes</u>

B. Drainage systems and areas, including, without limitations:

Floor drains or trenches and piping	<u>Yes</u>	<u>10A - 10C;</u> See Map P-1, "Process Drain Schematic"	Yes: 1 General Location and 10A-10C	<u>Yes</u>
Process area sinks and piping which receive process waste	<u>Yes</u>	See Map P-1, <u>No</u> "Process Drain Schematic"		<u>Yes</u>
Roof leaders when process operations vent to roof	<u>Yes</u>	See Map P-2, <u>No</u> "Storm Drain Schematic"		<u>Yes</u>
Drainage swales and culverts	<u>No</u>	_____	_____	_____
Storm sewer collection systems	<u>Yes</u>	See Map P-2, <u>Yes</u> "Storm Drain Schematic"		<u>Yes</u>

Area of Concern	Currently/Formerly Exists at facility Yes/No	Location Reference Keyed to Site Map	Sampling Proposed ³ Yes/No	Narrative provided to support proposal Yes/No
Storm water detention ponds & fire water ponds	<u>No</u>	<u> </u>	<u> </u>	<u> </u>
Surface water bodies	<u>No</u>	<u> </u>	<u> </u>	<u> </u>
Septic systems, leachfields or seepage pits	<u>No</u>	<u> </u>	<u> </u>	<u> </u>
Dry wells	<u>Yes</u>	<u>11A & 11B</u>	<u>Yes</u>	<u>Yes</u>
C. Discharge and disposal areas, including, without limitation:				
Waste piles	<u>No</u>	<u> </u>	<u> </u>	<u> </u>
Landfills or landfarms	<u>No</u>	<u> </u>	<u> </u>	<u> </u>
Sprayfields	<u>No</u>	<u> </u>	<u> </u>	<u> </u>
Incinerators	<u>No</u>	<u> </u>	<u> </u>	<u> </u>
Open Pipe Discharges	<u>Yes</u>	<u>12A</u>	<u>No</u>	<u>Yes</u>
D. Other areas of concern, including, without limitation:				
Electrical Transformers and capacitors	<u>Yes</u>	<u>13A - 13B</u>	<u>Yes: 13A</u> <u>No: 13B</u>	<u>Yes</u>
Areas of stressed vegetation	<u>No</u>	<u> </u>	<u> </u>	<u> </u>
Underground piping, including industrial process sewers	<u>Yes</u>	<u>See Maps P-1</u> <u>and P-2</u>	<u>No</u>	<u>Yes</u>
Compressor vent discharges	<u>Yes</u>	<u>14A - 14C</u>	<u>No: 14B & 14C</u> <u>Yes: 14A</u>	<u>Yes</u>
Non-contact cooling water discharges	<u>Yes</u>	<u>15A</u>	<u>No</u>	<u>Yes</u>

Area of Concern	Currently/Formerly Exists at facility Yes/No	Location Reference Keyed to Site Map	Sampling Proposed ³ Yes/No	Narrative provided to support proposal Yes/No
Discolored areas or spill area	<u>Yes</u>	<u>16A</u>	<u>Yes</u>	<u>Yes</u>
Active or inactive production wells	<u>Yes</u>	<u>2A</u>	<u>No</u>	<u>Yes</u>

E. Building interior areas with a potential for discharge to the environment, including, without limitation:

Loading or transfer areas	<u>Yes</u>	<u>Manuf. Bldg.</u>	<u>No</u>	<u>Yes</u>
Waste Treatment areas	<u>No</u>	<u> </u>	<u> </u>	<u> </u>
Boiler rooms	<u>Yes</u>	<u>17A</u>	<u>Yes</u>	<u>Yes</u>
Air vents and ducts	<u>Yes</u>	<u>18A;</u> <u>Manuf. Bldg.</u>	<u>No</u>	<u>Yes</u>
Hazardous material storage or handling areas	<u>Yes</u>	<u>Manuf. Bldg.</u>	<u>No</u>	<u>Yes</u>

F. Any other site specific area of concern.

<u>Inconsistent curbing</u>	<u>Yes</u>	<u>20A & 20B</u>	<u>No</u>	<u>Yes</u>
<u>Pavement cracks</u>	<u>Yes</u>	<u>21A - 21C</u>	<u>Yes</u>	<u>Yes</u>

6. Has the required evaluation of protectiveness of past remediations been completed for each area of concern for which a waiver is requested?

Not Applicable

Are the appropriate certifications included? Yes No
 Yes No

If No, then a waiver can not be considered by the Department and the applicant is expected to complete a site investigation for each area of concern to verify the presence or absence of contaminants above the current NJDEP cleanup criteria.

7. Historical Data on environmental quality at the Industrial Establishment

A. Have any previous sampling results documenting environmental quality of the Industrial Establishment not received a no further action approval from the Department or been denied approval by the Department?

 ✓ Yes (See Attachment # 7) No

B. Have there been any known changes in site conditions or new information developed since completion of previous sampling or remediation? If sampling results were obtained, but are not part of this application, please explain below:

N/A

8. Provide a discussion of any remediation activities previously conducted or underway at the industrial establishment, including dates of discharges, remedial action taken, sample results, current status or copies of Department or other government agency no further action approval(s), if appropriate (attach additional sheets if necessary).

Please refer to Section 9E.

9. Discharge History of Hazardous Substances and wastes:

A. Have there been any discharges of hazardous substances and wastes?

☒ Yes (Complete Items B-E) ☐ No

B. Was the Department notified of the discharge?

☒ Yes ☐ No (Go to item 9D)

If yes, provide the case # None assigned

C. Was a no-further-action letter, negative-declaration approval or full-compliance letter issued as a result of the cleanup of this discharge?

☒ Yes (Submit a copy and go to item 9E) ☐ No
(For 1987 discharge, not for 1993 discharge)

D. Were sample results obtained?

☒ Yes ☐ No

If yes, submit the results

No results available for discharges, if any, prior to April 1995. April 21, 1995 explosion and fire destroyed Company records.

E. Provide a description of the discharge and the response and resolution.

(See Attachment 9E)

10. Aerial Photographic interpretation for sites larger than two acres from 1932 to present or to the earliest photograph available (Attach additional sheets if necessary).

(See Attachment 10)

11. List all federal, state and local environmental permits at this facility, including permits for all previous and current owners or operators, applied for, received, or both (Attach additional sheets if necessary).

Check here if no permits are involved _____

A. New Jersey Air Pollution Control (See Attachment 11)

Permit Number	Certificate Number	Date of Approval or Denial	Reason for Denial (if applicable)	Expiration Date
_____	062130	8/17/82	_____	8/17/97
_____	062461	8/17/82	_____	8/17/97
_____	063144	11/22/82	_____	8/7/95
_____	071467	2/22/85	_____	2/22/95

B. Underground Storage Tank Registration Number Not Applicable

C. New Jersey Pollutant Discharge Elimination System (NJPDDES) Permit

Number	Discharge Activity	Date Issued or Denied	Expiration Date	Body of Water Discharged Into
<u>#NJ0088315</u>	<u>Stormwater Runoff</u>	<u>8/16/93</u>	<u></u>	<u>Saddle River</u>
<u></u>	<u></u>	<u></u>	<u></u>	<u></u>

D. Resource Conservation and Recovery Act (RCRA) permit # NJD01315282 (generator ID only)

E. All other federal, state, local government permits.

Agency Issuing Permit	Permit #	Type of Permit	Date of Approval or Denial	Expiration Date
<u>Passaic Valley Sewerage Commissioners</u>	<u>17401142</u>	<u>Sewer Connection Permit*</u>	<u>2/24/91</u>	<u>2/24/96</u>
<u>Borough of Lodi</u>	<u>No. 94-13</u>	<u>Hazardous Material Use & Storage</u>	<u>Dates not Available</u>	<u></u>
<u>Passaic Valley Sewerage Commissioners</u>	<u>10/30/95 letter</u>	<u>Stormwater</u>	<u>10/30/95</u>	<u></u>

(See Attachment 11)

* Copy included in Attachment 11 as requested by NJDEP during 11/8/95 site inspection

12. Summary of enforcement actions (including but not limited to, Notice of Violations, Court Orders, official notices or directives) for violations of environmental laws or regulations (attach additional sheets if necessary):

A. Check here if no enforcement actions are involved

B. (1) Name and address of agency that initiated the enforcement action

(See Attachment 12B for details)

(2) Date of the enforcement action (See Attachment 12B for details)

(3) Section of statute, rule or permit allegedly violated (See Attachment 12B for details)

(4) Type of enforcement action (See Attachment 12B for details)

(5) Description of the violation (See Attachment 12B for details)

(6) How was the violation resolved?

(See Attachment 12B for details)

13. Site Map

A. In accordance with N.J.A.C. 7:26E-3.2(a) 3.i, submit a scaled site plan, detailing the subject lot and block, property and/or leasehold boundaries, location of current and former buildings, fill areas, paved and unpaved areas, vegetated areas, and all areas of concern identified above and all active or inactive wells.

B. Scaled historical site maps and facility as built drawings (if available).

C. A copy of the United States Geologic Survey (USGS) 7.5 minute topographical quadrangle that includes the site and an area of at least one mile radius around the site. The facility location shall be clearly noted. If a portion of the USGS quadrangle is used, the scale, north arrow, contour interval, longitude and latitude with the name and date of the USGS quadrangle shall be noted on the map.

See Attachments 5 and 13

14. List any other information you are submitting or which has been formerly requested by the Department:

Description	Attachment #
N/A	

CERTIFICATIONS:

A. The following certification shall be signed by the highest ranking individual at the site with overall responsibility for that site or activity. Where there is no individual at the site with overall responsibility for that site or activity, this certification shall be signed by the individual having responsibility for the overall operation of the site or activity.

I certify under penalty of law that the information provided in this document is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information, and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

Typed/Printed Name _____ Title _____

Signature _____ Date _____

Sworn to and Subscribed Before Me

on this _____

Date of _____ 19 ____

Notary

B. The following certification shall be signed as follows:

1. For a corporation, by a principal executive officer of at least the level of vice president;
2. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or
3. For a municipality, State, Federal or other public agency, by either a principal executive officer or ranking elected official; or
4. For persons other than 1-3 above, by the person with the legal responsibility for the site.

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein and all attached documents, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information, and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute I am personally liable for the penalties.

Typed/Printed Name _____ Title _____

Signature _____ Date _____

Sworn to and Subscribed Before Me

on this _____

Date of _____ 19 ____

Notary

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ATTACHMENT 1
Operational and Ownership History

877490015

ATTACHMENT 1

1. Operational and Ownership History from the time the site was naturally vegetated or used as farmland (Continued from page 1 of 11).

Name	Owner/ Operator	From	To
<u>United Piece & Dye Works (UPDW)</u>	<u>Owner/Operator</u>	<u>1903</u>	<u>1939</u>
<u>Borough of Lodi</u>	<u>Owner</u>	<u>1939</u>	<u>1945</u>
<u>Ronald Furniture Company</u>	<u>Operator</u>	<u>1939</u>	<u>1945</u>
<u>Nathan & Lillian Summer</u>	<u>Owner</u>	<u>1945</u>	<u>1954</u>
<u>Lodi Realty Corp</u>	<u>Owner</u>	<u>1954</u>	<u>1963</u>
<u>B.L. Lemke & Co., Inc.</u>	<u>Owner/Operator</u>	<u>1963</u>	<u>1973</u>
<u>Nappwood Land Corp.</u>	<u>Owner</u>	<u>1973</u>	<u>Present</u>
<u>Napp Technologies</u>	<u>Operator</u>	<u>1973</u>	<u>Present</u>

- ² Between 1943 and 1946, it appears that Parcel A was transferred between one or more mortgage companies under the ownership of Russell Holding Corp. based on information contained within the deed between Pattberg Novelty Corp. and B.L. Lemke & Co., Inc.

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ATTACHMENT 2B

Detailed Description of Most Recent Operations

877490018

ATTACHMENT 2B

- 2B. Include a detailed description of the most recent operations subject to this preliminary assessment
(Continued from page 2 of 11)

At this site, Napp Technologies Inc. manufactured bulk generic drugs and performance chemicals for the cosmetic and pharmaceutical industry, serving as a world-wide source of generic drugs. Processes at Napp Technologies included the synthesis and drying of compounds mixed with water and/or solvent, the blending and grinding of mixtures of dry powder, sometimes mixed with water to produce other products, and micronizing and other particle size reduction operations. Specific processes included, but were not limited to, para-hydroxybenzoic acid production, methylparaben production and trimethoprim production. Operations were conducted on a contract basis. Raw materials used and finished products varied with each contract.

To accommodate a need for additional warehousing space in 1981, Napp Technologies began occupying and operating in one half of the warehouse space (approximately 18,000 square feet) located adjacent to the Napp site in the former Eisen Metals building at 175 Main Street (Block 81.01, Lot 6), adjacent to the site, for use solely for the warehousing of non-flammable raw materials and finished goods for cosmetics, pharmaceuticals, anti-bacterials, and similar uses. In 1985, it appears that Napp Technologies may have also arranged with Mr. Robert Fortunato to utilize additional warehousing space of 5,000 square feet. Napp Technologies ceased operating at the subject property following an explosion on April 21, 1995 and the property is currently undergoing site investigative activities.

877490020



ATTACHMENT 3

Hazardous Material or Hazardous Waste Inventory



877490021

ATTACHMENT 3

Napp operations included manufacturing of a variety of pharmaceutical compounds. These were conducted on a contract basis. Although the facility inventory usually included several materials used in these processes, such as synthesis and drying, materials necessary to produce these preparations varied based upon client specifications. Therefore, an historical facility raw material and finished product inventory would be too expansive to include here. However, the predominant materials used in recent Napp operations have been presented. Since the facility is no longer operational, and many records were lost during the fire/explosion, not all information is available. Where annual usage, storage methods, and location information is not available, "NA" is indicated in the table below. All chemicals were removed from the site during the first phase of the emergency response to the April 21, 1995 explosion.

The following information is based upon detail provided in the facility DPCC/DCR Plan, revised January 9, 1995; Hazardous Waste Generator Annual Reports for 1986 - 1994; Form R Reports, 1992-1994; NJ Release & Pollution Prevention Reports (DEQ 114), 1992 - 1994; Material Safety Data Sheets (MSDSs); and historical information as provided by facility personnel.

The following strategy was used to identify the primary compounds of concern:

1. ENSR reviewed Napp's Material Safety Data Sheets (MSDSs) for all compounds purchased or manufactured at the site over at least the past 10 to 15 years. ENSR identified the product name and any hazardous constituents. This resulted in a list of approximately 600 products.
2. The product list was broken down into individual constituents. The Chemical Abstract Service (CAS) number for each constituent was identified, where possible, and duplicates were deleted.
3. In accordance with N.J.A.C. 7:26E-1.8 and ISRA, potential contaminants were identified based upon the lists of hazardous substances, hazardous constituents, and hazardous wastes. In accordance with N.J.A.C. 7:26E-1.8, these included substances identified in the New Jersey Hazardous Waste Regulations, N.J.A.C. 7:26-8; the New Jersey Discharges of Petroleum and Other Hazardous Substances Regulations, N.J.A.C. 7:1E; the Federal Water Pollution Control Act, EPA Section 311; and EPA's list of Toxic Pollutants, Section 307. The list of site compounds was compared to these regulations and a list of potential contaminants was developed.
4. The lists of compounds discussed above were also compared to the facility's Community Right to Know Survey Forms for 1993 and 1994, to determine the maximum quantities present on site at any time. Compounds which were not present in quantities greater than 10 lbs were eliminated from consideration. Compounds for which quantity data were not available remained on the list. Selected compounds were added based upon additional information from facility inventories.

As mentioned above, some of the compounds listed in the hazardous material inventories may be components of products, and therefore may be present only in minor concentrations. Additionally, some of the compounds were trade names, and ingredients were either proprietary or otherwise unavailable. In general, these have been assumed to be nonhazardous.

Hazardous Material or Hazardous Waste Inventory:

Material Name	Typical Annual Usage	Storage Method/Container Type/Size	Location Reference Keyed to Site Map	To remain on site? If yes, indicate quantity
Acetic acid	NA	55 gallon drums	Drum Storage, Manufacturing	No
Acetone	40,000 - 50,000 lbs.	55 gallon drums	Drum Storage, Manufacturing	No

ATTACHMENT 3 (continued)

Material Name	Typical Annual Usage	Storage Method/Container Type/Size	Location Reference Keyed to Site Map	To remain on site? If yes, indicate quantity
Aluminum	NA	NA	NA	No
Ammonium hydroxide	25,000 - 35,000 lbs.	carboy drums	Drum Storage, Manufacturing	No
Ammonium oxalate monohydrate	NA	55 gallon drums	P&B, Finished Goods Warehouse	No
Asbestos	NA	NA	Potentially present on roof of Buildings 3 and 5	No
n-Butanol	NA	55 gallon drums	Drum Storage, P&B, Manufacturing	No
1,2-Butylene oxide	NA	NA	NA	No
Cadmium	NA	NA	NA	No
Calcium hypochlorite	NA	55 gallon drums	Lab, Manufacturing	No
Chloromethane	NA	NA	NA	No
Chromic acetate	NA	55 gallon drums	Manufacturing, Warehouse	No
Chromic acetylacetonate	NA	NA	NA	No
Chromium	NA	NA	NA	No
Cobalt	NA	NA	NA	No
Copper acetate monohydrate	NA	NA	NA	No
Cycloheximide	NA	NA	NA	No
1,1-Dichloroethylene	NA	NA	NA	No
Diesel fuel	NA	1,000-gallon aboveground storage tank	AOC 1N	No
Diethanolamine	NA	NA	Manufacturing	No
Diethylamine	NA	55 gallon drums	Drum Storage, Manufacturing	No

877490023

ATTACHMENT 3 (continued)

Material Name	Typical Annual Usage	Storage Method/Container Type/Size	Location Reference Keyed to Site Map	To remain on site? If yes, indicate quantity
Disodium ethylenediamene tetraacetate dihydrate	NA	NA	NA	No
Epinephrine	NA	NA	NA	No
Ethyl acetate	NA	NA	NA	No
Ethylamine	NA	NA	NA	No
Ethylenediamine-tetraacetic acid	NA	55 gallon drums	Manufacturing, Warehouse	No
Ethylene glycol	NA	NA	NA	No
Fumaric acid	NA	55 gallon drums	P&B, Finished Goods Warehouse	No
Furfural	NA	NA	NA	No
Hydrochloric acid	32,000 - 3,200,000 lbs.	8,000-gallon aboveground storage tank 55 gallon drums	Tank Farm (AOC 1G), Drum Storage, Manufacturing; Building 1C	No
Isobutyl alcohol	NA	55 gallon drums	NA	No
Isopropyl alcohol (1-Propanol, 2-Propanol)	NA	3,000-gallon aboveground storage tank 55 gallon drums	Tank Farm (AOC 1C), Drum Storage, P&B, Manufacturing	No
Lead	NA	NA	NA	No
Manganese	NA	NA	NA	No
Methanol	700,000 - 2,000,000 lbs.	6,000-gallon aboveground storage tank 55 gallon drums	Tank Farm (AOC 1A), Manufacturing, P&B, Drum Storage	No
Methyl ethyl ketone	NA	Bottles	Lab	No
Methylene chloride	NA	NA	NA	No
Mineral oil	NA	NA	NA	No
Mineral spirits	NA	NA	NA	No
67% Nitric acid	18,000 - 36,000 lbs.	55 gallon drums	Drum Storage, Manufacturing	No

ATTACHMENT 3 (continued)

Material Name	Typical Annual Usage	Storage Method/Container Type/Size	Location Reference Keyed to Site Map	To remain on site? If yes, indicate quantity
Petroleum process oil	NA	55 gallon drums	Drum Storage, Maintenance	No
Phenol	800,000 - 1,300,000 lbs.	6,000-gallon aboveground storage tank	Tank Farm (AOC 1D), Hazardous Waste Storage Area (AOC 7B), Building 1C	No
Phthalic anhydride	NA	NA	NA	No
Potassium hydroxide	NA	6,000-gallon aboveground storage tank	Tank Farm (AOC 1B), Building 1C	No
Propargyl alcohol	NA	NA	NA	No
Resorcinol	NA	30 gallon fiber drums	P&B, Manufacturing, Finished Goods Warehouse	No
Saccharin sodium	NA	NA	NA	No
Silver nitrate	NA	5 gallon fiber drums	Manufacturing, Finished Goods Warehouse	No
Sodium hydroxide	NA	2,500-gallon aboveground storage tank 55 gallon drums	Tank Farm (AOC 1H), Plant-Wide	No
Styrene	NA	NA	NA	No
Sulfuric acid	60,000 - 70,000 lbs.	30 gallon drums carboy drums	Drum Storage, Manufacturing	No
Terephthalic acid	NA	NA	NA	No
Toluene	NA	NA	NA	No
1,1,1-Trichloroethane	NA	NA	NA	No
Trivalent chromium oxide	NA	NA	NA	No
Vanadium	NA	NA	NA	No
Xylene	NA	cans	Lab	No

ATTACHMENT 3 (continued)

Material Name	Typical Annual Usage	Storage Method/Container Type/Size	Location Reference Keyed to Site Map	To remain on site? If yes, indicate quantity
2,6-Xylidine	15,000 - 32,000 lbs.	55 gallon drums	Drum Storage, Manufacturing	No
Zinc	NA	55 gallon drums; bottles	Manufacturing, Lab, Finished Goods Warehouse; Building 1C	No
Zinc Bacitracin	NA	55 gallon drums	Finished Goods Warehouse	No
Asbestos abatement waste	NA	55 gallon drums	Hazardous Waste Storage Area (AOC 7B)	No
Off-spec products	1,000 - 8,000 lbs.	NA	Hazardous Waste Storage Area (AOC 7B)	No
Oil-contaminated solids	1,950 lbs.	55 gallon drums	Hazardous Waste Storage Area (AOC 7B)	No
Spent methanol/toluene solvent	55 gallons	55 gallon drums	Hazardous Waste Storage Area (AOC 7B)	No
Waste alcohols from discontinued operations	4,500 gallons	55 gallon drums	Hazardous Waste Storage Area (AOC 7B)	No
Waste ethyl acetate	275 gallons	55 gallon drums	Hazardous Waste Storage Area (AOC 7B)	No
Waste heptane or heptane/heptanol solvent	100 - 800 gallons	55 gallon drums	Hazardous Waste Storage Area (AOC 7B)	No
Waste methanol	8,027 gallons	NA	Hazardous Waste Storage Area (AOC 7B)	No
Waste methylene chloride	8,100 - 19,500 lbs.	55 gallon drums	Hazardous Waste Storage Area (AOC 7B)	No
Waste parts cleaning solvent (monoethanol-amine)	36 lbs.	55 gallon drums	Hazardous Waste Storage Area (AOC 7B)	No

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ATTACHMENT 3 (continued)

Material Name	Typical Annual Usage	Storage Method/Container Type/Size	Location Reference Keyed to Site Map	To remain on site? If yes, indicate quantity
Waste petroleum naphtha (parts cleaning)	300 lbs.	55 gallon drums	Hazardous Waste Storage Area (AOC 7B)	No
Waste resorcinol	270 lbs.	55 gallon drums	Hazardous Waste Storage Area (AOC 7B)	No
Waste sodium cyanide	100 lbs.	NA	Hazardous Waste Storage Area (AOC 7B)	No
Waste 1,1,1-trichloroethane	550 gallons	55 gallon drums	Hazardous Waste Storage Area (AOC 7B)	No

877490027

ATTACHMENT 4
Summary of Wastewater Discharges

877490029

ATTACHMENT 4

Summary of Wastewater Discharges of Sanitary and/or Industrial Waste and/or Sanitary Sludges

Detailed information on discharges prior to Napp's presence on the site was not available. However, information provided in the 1953 Borough of Lodi Annual Report indicates that the Lodi sewer system, which was installed in 1916, was expanded in 1930, specifically to handle the volume of water discharged by United Piece and Dye Works (the occupant of the subject site at the time). Therefore, it can be inferred that the site was hooked into the municipal sewer system as early as 1930 and probably as early as 1916. The Lodi system pumped from Lodi to Wallington, then directly to PVSC.

877490030

ATTACHMENT 5A-5F
Area of Concern Narrative

ATTACHMENT 5A - 5F

The Napp Technologies facility ceased operation on April 21, 1995. All detail regarding relevant potential areas of concern (AOCs) prepared for this Preliminary Assessment Form has been provided based upon Napp facility operations prior to this date.

Based on several site inspections and review of historical information related to Napp operations, a sampling strategy has been developed for this site. This strategy was developed to : (1) remove residue remaining at the facility (ie. materials in trenches, pits, sumps, process lines, etc.); (2) collect waste classification samples of these materials for proper disposal; (3) inspect structures (as feasible) for structural integrity to evaluate the potential release of materials to the environment; and (4) in areas where the structural integrity is observed to be poor, collection of additional samples of residue to be used to establish "target compounds" for further investigation. Subsequent to establishment of a "target compound list" (eg. concentrations of contaminants that exceed applicable NJDEP Soil Cleanup Criteria, etc.), additional environmental samples will be collected and analyzed for the established target compounds to assess potential impacts to the environment.

A. Bulk storage tanks and appurtenances, including, without limitation:


Aboveground Tanks and Associated Piping -

A total of 14 aboveground tanks have been identified as currently or previously present on site for bulk storage of materials associated with manufacturing processes or the facility effluent treatment system. These are denoted as AOCs 1A - 1N on the attached site plan. Each of these storage tank capacities, most recent material stored, and method of secondary containment is summarized below:


- AOC 1A - 6,000-gallon methanol tank; poured, fibrated concrete secondary containment basin; shares containment with AOC 1B.
- AOC 1B - 6,000-gallon potassium hydroxide tank; poured, fibrated concrete secondary containment; shares containment with AOC 1A.
- AOC 1C - 3,000-gallons iso-propyl/n-propyl alcohol tank; poured concrete secondary containment.
- AOC 1D - 6,000-gallons phenol tank; poured concrete secondary containment.
- AOC 1E - 32-ton carbon dioxide tank (leased); concrete walls with gravel base; removed in 1994.
- AOC 1F - 2,000-gallon iso-propyl alcohol tank; removed from site by 1976; detail of previous secondary containment is unknown.
- AOC 1G - 8,000-gallon fiberglass hydrochloric acid tank; poured concrete secondary containment (epoxy coated).
- AOC 1H - 2,500-gallon sodium hydroxide tank; poured concrete secondary containment with an impermeable liner.
- AOC 1I - 5,000-gallon raised tank for process wastewater; no containment basin; located on a concrete pad.
- AOC 1J - approximately 5,000-gallon fiberglass tank used to hold process wastewater during overflow conditions; no containment basin; located in paved area.
- AOC 1K - 10,000-gallon stainless steel tank, used for recirculation of non-contact cooling water; concrete base with curbing; shares containment with AOC 1L.
- AOC 1L - 4,000-gallon fiberglass tank for non-contact cooling water; concrete base with curbing; shares containment with AOC 1K.
- AOC 1M - 10,000-gallon tank used as a head tank for storage of city water; removed from facility.
- AOC 1N - 1,000-gallon No. 2 fuel oil tank; concrete block secondary containment.

The status of each of these tanks is discussed below.

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AOC 1A: This 6,000-gallon tank is located to the west of the Chemical Manufacturing Building and was most recently used for storage of methanol. This tank was constructed prior to 1971. Between 1973 and 1983, the tank was used for storage of fuel oil (unknown type), sulfuric acid, and isopropyl alcohol. The tank currently shares a concrete secondary containment system with AOC 1B. The previous containment history of AOC 1A is unknown, but secondary containment for AOC 1B was constructed in 1977. Therefore, it is likely that AOC 1A was also without secondary containment until that time. The area is believed to have been paved prior to that time, but the conditions of the pavement is not known. As required under N.J.A.C. 7:26E-3.9(a)2.ii, sampling is proposed beneath the secondary containment basin. The containment system drains directly into a pipeline which is connected to the facility effluent treatment system. Therefore, no sampling is proposed at this discharge point. Product piping from this tank into the manufacturing building was aboveground and crossed a paved parking area. There have been no reported releases of hazardous materials and there is no visual evidence of any releases from this piping system. Therefore, no sampling of the paved area below the piping is proposed.



AOC 1B: This 6,000-gallon tank is located to the west of the Chemical Manufacturing Building and was most recently used for storage of potassium hydroxide. This tank was constructed prior to 1971 and was taken out of service in approximately 1993. All hazardous materials were removed and product piping systems were disconnected and blank-flanged. Throughout its history, the tank has also been used for storage of aqua ammonia, ethyl acetate, and oil (unknown type) and was likely used as a fuel tank prior to 1983. The tank currently shares a concrete secondary containment system with AOC 1A. This tank did not have secondary containment until 1977. The area is believed to have been paved prior to that time, but the conditions of the pavement is not known. As required under N.J.A.C. 7:26E-3.9(a)2.ii, sampling is proposed beneath the secondary containment basin. The containment system flows directly into a pipeline which is connected to the facility effluent treatment system. Therefore, no sampling is proposed at this discharge point. Product piping from this tank into the manufacturing building was aboveground and crossed a paved parking area. There have been no reported releases of hazardous materials and there is no visual evidence of any releases from these product piping systems. Therefore, no sampling of the paved area below the pipeline is proposed.

AOC 1C: This 3,000-gallon tank is located to the west of the Chemical Manufacturing Building and was most recently used for storage of isopropyl/n-propyl alcohol. This tank was constructed prior to 1971, and was previously used for storage of methanol. The tank is currently equipped with a concrete secondary containment system which was constructed in 1976. The tank was previously uncontained. The area is believed to have been paved prior to that time, but the conditions of the pavement is not known. As required under N.J.A.C. 7:26E-3.9(a)2.ii, sampling is proposed beneath the secondary containment basin. The containment system drainage flows directly into a pipeline which is connected to the effluent treatment system. Therefore, no sampling is proposed at this discharge point. Product piping from this tank into the manufacturing building was aboveground and crossed a paved parking area. There have been no reported releases of hazardous materials and there is no visual evidence of any releases from these product piping systems. Therefore, no sampling of the paved area below the pipeline is proposed.



AOC 1D: This 6,000-gallon tank was located to the west of the Chemical Manufacturing Building and was most recently used for storage of phenol. The tank was installed in 1984, with a concrete secondary containment system, and was removed from service in approximately 1993. All hazardous material was removed and product piping was disconnected and blank-flanged. The containment system does not have any large cracks through which a discharge could be presumed to have migrated. The drainage from this system flows into a pipeline which is connected to the facility effluent treatment system. In accordance with N.J.A.C. 7:26E-3.9(a)2.ii, since containment was present over the life of the tank, no sampling is proposed for this tank system. Product piping from this tank into the manufacturing building was aboveground and crossed a paved parking area. There have been no reported releases of hazardous materials and there is no visual evidence of any releases from these product piping systems. Therefore, no sampling of the paved area below the pipeline is proposed.

AOC 1E: This tank was located to the west of the Chemical Manufacturing Building and was used for storage of up to 32 tons of carbon dioxide. The tank was a leased structure and was located within a

gravel-lined basin with concrete walls. This tank was removed in late 1994. Any potential release from this tank or associated product piping would have been in a gaseous state, and would not have impacted site soils or groundwater. Therefore, no sampling is proposed in relation to this tank.

AOC 1F: This 2,000-gallon tank was located to the west of the Chemical Manufacturing Building and was used for storage of isopropyl alcohol. The tank, which was constructed prior to 1971, was removed from the site prior to 1978. No information is available regarding the containment status of this tank or the presence of pavement beneath the tank. Therefore, as required under N.J.A.C. 7:26E-3.9(a)2.ii, sampling is proposed beneath the location of the former tank.

AOC 1G: This 8,000-gallon tank is located to the west of the Chemical Manufacturing Building and was used for storage of hydrochloric acid for wastewater treatment. The tank, constructed of fiberglass reinforced plastic (FRP), was installed in 1988 and replaced a 5,000 gallon tank that was installed in 1971. At that time the 5,000 gallon tank became part of the facility wastewater treatment system as discussed below.

The 8,000 gallon tank is currently equipped with a concrete secondary containment system with impervious liner (epoxy coating). The containment area contained ponded water at the time of the inspection; therefore, the integrity of the containment area could not be determined. However, this containment system was in place when Napp began operations in 1970, and facility personnel indicated that there is no history of releases from this system. Therefore, in accordance with N.J.A.C. 7:26E-3.9(a)2.ii, since pavement was present over the life of the tank during Napp operations, no sampling is proposed at this tank location. The containment system drains directly into a pipeline which is connected to the facility effluent treatment system. No sampling is proposed at this discharge point. Product piping for this tank was aboveground and entered the effluent treatment pit directly. This product piping crossed the secondary containment systems for the bulk storage tanks. Spills or leaks from this product piping would have been collected and discharged to the effluent treatment system. No sampling of the paved area below the piping is proposed.

AOC 1H: This 2,500-gallon tank is located to the west of the Chemical Manufacturing Building and was used for storage of 50% sodium hydroxide solution for wastewater treatment. The tank, constructed of carbon steel, was installed in 1992. The tank is currently equipped with a concrete secondary containment system. This tank replaced an older tank, which was constructed in 1971. According to Napp personnel, this tank was equipped with secondary containment which was constructed in 1977. Prior to that time, this tank was uncontained. The area is believed to have been paved prior to that time, but the conditions of the pavement is not known. As required under N.J.A.C. 7:26E-3.9, sampling is proposed beneath the secondary containment basin. The containment system drainage flows directly into a pipeline which is connected to the facility effluent treatment system. Therefore, no sampling is proposed at this discharge point. Product piping for this tank was aboveground and entered the effluent treatment pit directly. This piping crossed the secondary containment systems for the bulk storage tanks. Spills or leaks from this piping would have been collected and discharged to the effluent treatment system. No sampling is proposed beneath this piping.

AOCs 1I & 1J: The effluent treatment system consists of two aboveground tanks located to the west of the Chemical Manufacturing Building, each approximately 5,000 gallons, which were used to contain process wastewater. As discussed above AOC 1G), one of these tanks was previously used to store hydrochloric acid. Since most materials used at Napp were non-hazardous, it can be assumed that wastewater discharged to the effluent treatment system and PVSC was also non-hazardous and was not expected to contain significant concentrations of contaminants. Wastewater pretreatment was limited to pH neutralization. AOC 1I is situated on a concrete pad which was constructed in 1976. AOC 1J served as an overflow tank. Secondary containment was not provided for this tank. However, this system was generally kept empty and was located within a paved area of the facility. Since these tanks are not believed to have contained hazardous materials, except in very diluted quantities, and there is no evidence that a discharge has occurred, no sampling is proposed, in accordance with N.J.A.C. 7:26E-3.9(e)2.

AOCs 1K & 1L: Two aboveground storage tanks located to the north of the boiler room were also used as part of the facility's non-contact cooling water recirculation system. AOC 1K, a 10,000-gallon stainless steel

tank, was the recirculating, non-contact cooling water tank and was installed prior to 1977. According to a sketch provided by Napp to the Lodi Building Inspector, this tank was previously used for storage of an unspecified hazardous liquid. The actual former contents could not be verified by Napp personnel. AOC 1L is an approximately 4,000-gallon fiberglass tank which was used to store non-contact recirculating chilled water and was installed in 1979. Both tanks are located on a common concrete base which has a 6 - 8 inch curb. The surrounding courtyard is also paved. Condensate from these tanks or the cooling tower, also located in this area, discharged into one catch basin which is connected to the process wastewater collection system of Building #5 (see Map P-1, "Process Drain Schematic"). In accordance with N.J.A.C. 7:26E-3.9(a)2.ii, since the area beneath the tanks is paved, and there is no evidence that a discharge has occurred, no sampling is proposed.

AOC 1M: This 10,000-gallon tank was located on a rack above AOC 1K and was used as a head tank for storage of city water. This tank was removed from the site in 1983. In accordance with N.J.A.C. 7:26E-3.9(a)1.ii, since the tank did not contain hazardous materials, no sampling is proposed.

AOC 1N: A 1,000-gallon No. 2 fuel oil tank is located in the exterior maintenance and storage area to the west of the leased warehouse space. This tank is identified as AOC 1N on the attached site map. According to facility personnel this tank is owned by the landlord, Fortunato, but was used periodically by Napp to fuel a rented compressor unit, AOC 12C and heat the leased warehouse space. A concrete block containment basin was provided for this tank, and was then backfilled with sand. This tank is an aboveground unit; however, the base of its containment basin can not be observed, due to the presence of the tank and accumulated debris. The condition of the exterior of this basin appears good, however, the interior and base cannot be observed. Minor spills are known have occurred into the sand within this containment basin. In accordance with N.J.A.C. 7:26E-3.9(a)1, since the base of the containment system cannot be observed, the sand surrounding the tank will be sampled for waste characterization and properly disposed, and the integrity of the containment system will be evaluated.

Above or Below Ground Pump Stations -

All underground collection units and piping systems utilized at the facility were associated with the process wastewater collection and effluent treatment system. This system was operated in compliance with a Sewer Connection Permit, Permit Number 17401142, from the Passaic Valley Sewerage Commissioners (PVSC). Treatment operations consisted solely of pH adjustment of process wastewaters from manufacturing and material storage and transfer areas prior to discharge to PVSC. Wastewaters discharged to this system included the following:

- boiler blowdown;
- compressor condensate;
- storm water runoff from drum storage pad and hazardous waste storage area;
- floor wash water from manufacturing and processing areas;
- wash water from equipment changeouts discharged to trench drains in manufacturing and processing areas;
- condensate from facility non-contact recirculation system; and
- spills and leaks from manufacturing and processing areas of the facility.

The facility effluent treatment system consisted of a series of flow-through process tanks and transfer pits which were used for collection and pH adjustment of process waste waters collected throughout the manufacturing and processing areas. Map P-1, "Process Drain Schematic", illustrates the location of process trench drains which discharged to these collection systems. Waste water flowed via a series of six below ground pump stations. These pump stations are identified on the attached site map as AOCs 3A - 3F. These pump stations discharge to a catch basin and weir and then to two pits (see narrative, "Pits"). Construction details for each pump station were not available. However, according to Napp personnel, Pump Stations #1 (AOC 3A) and #2 (AOC 3B) consist of a 500-gallon and 400-gallon fiberglass reinforced plastic (FRP) lined concrete vault, respectively, Pump Station #3 (AOC 3C) consists of a 20-gallon clay pipe sump, Pump Station #4 (AOC 3D) consists of a 150 gallon concrete catch basin and Pump Station #6 (AOC

3F) consists of a 700 gallon concrete vault. Piping systems from the manufacturing building to the pump stations are underground and are constructed of a variety of materials, including PVC, FRP, steel lined with polypropylene, and stainless steel set in concrete. These piping systems were compatible with the type of process wastewater collected and discharged from manufacturing and processing areas. Underground piping located within the manufacturing building is constructed of fiberglass or FRP. Map P-1, "Process Drain Schematic", illustrates these piping systems. The existing piping systems were constructed and installed between 1981 and 1990. The pump stations were also FRP lined during that time period.

As mentioned above, the material passing through these systems includes wastewaters generated from floor washing, equipment cleanouts, runoff from storage or transfer areas, or small spills or leaks from manufacturing or processing areas. Since most materials used at the Napp site were non-hazardous, process wastewater discharged to the facility effluent treatment system and to PVSC can also be expected to be non-hazardous and was not expected to contain significant concentrations of contaminants. Wastewater pretreatment was limited to pH neutralization. During facility closure, the pump stations will be cleaned out and inspected, and the integrity will be documented, in accordance with N.J.A.C. 7:26E-3.9(e)3.i. Residual material from the units will be analyzed for waste classification purposes. If the integrity is questionable, the residual material will also be analyzed for the full scan of hazardous constituents believed to have been present on site. No other sampling is proposed at this time, pending results of investigations in AOCs 4A/4B, 4F, and 10, which are intended to investigate the integrity of the original effluent collection/drain system.

Sumps -

There are several sumps located at the Napp facility and the adjacent leased warehouse space utilized by Napp. These sumps were associated with collection of process wastewater. These are denoted on the attached Figure 1, as AOCs 4A - 4F. Each of the systems was used to collect process wastewater and discharged to the facility effluent treatment system.

Process wastewater drains and piping from the P & B processing area entered one of two sumps located at the south end of the manufacturing building, identified as AOCs 4A and 4B on Map P-1, "Process Drain Schematic". Wastewater flowed from these systems to Pump Station #1, AOC 3A, where it entered overhead piping and the pump station system for discharge to the effluent treatment system. AOCs 4A and 4B accumulation points were constructed of concrete and were installed during the 1981-1990 period. Based upon information provided by Napp personnel, the integrity of these sumps is believed to be good and sampling beneath the sumps is not proposed. However, no information was available regarding the integrity of the sumps previously present in these areas. Additionally, during installation of new piping in this area, PCB-contaminated soil was encountered, as discussed in Attachment 9E. Therefore, in accordance with N.J.A.C. 7:26E-3.9(e)3.i, during facility closure, the sumps will be cleaned out and inspected, and the integrity will be documented. Residual material from the sumps will be analyzed for waste classification purposes. In addition, one boring will be advanced adjacent to a wastewater drain entering either AOC 4A or 4B, and a soil sample will be collected and analyzed for the full scan of hazardous constituents believed to have been present on site. The intent of this boring will be to investigate the potential for leaks from the original, unlined collection system as well as to address the previously identified PCB contamination.

AOCs 4C - 4E are concrete sumps located within the warehouse space leased from Fortunato by Napp Technologies. According to Napp personnel, these sumps were either installed or lined during the 1981-1990 period. Napp personnel indicated that the integrity of these sumps is good. This warehouse was used for storage of finished goods; no manufacturing operations were conducted here. Only non-flammable materials were permitted to be stored here. Since most materials stored in this area were non-hazardous, any spills of material which may have entered these sumps as floor washings can also be presumed to be non-hazardous and were not expected to contain significant concentrations of contaminants. There were no recorded spills in this area. However, in accordance with N.J.A.C. 7:26E-3.9(e)3.i, during facility closure, the sumps will be cleaned out and inspected, and the integrity will be documented. Residual material from the sumps will be analyzed for waste classification purposes. If the integrity is questionable, the residual

material will also be analyzed for the full scan of hazardous constituents believed to have been present on site. No other sampling is proposed at this time, pending results of investigations in AOCs 4A/4B, 4F, and 10, which will be intended to investigate the integrity of the original effluent collection/drain system.

AOC 4F consists of a concrete epoxy lined basin with a weir which directed process wastewater collected from the manufacturing buildings to the 500-gallon pit, AOC 5A. According to Napp personnel, this basin was either installed or lined during the 1981-1990 period. Also located here is a truck unloading area. Approximately once annually hexamethylene diamine was loaded from tank trucks at this point directly into holding vessels located in Building #5. Tank trucks were parked within the paved area of the facility. Any spills or leaks from hose connections at this loading point entered the catch basin and were ultimately discharged to the facility effluent treatment system. Solid material has precipitated along the base and sides of this basin. In accordance with N.J.A.C. 7:26E-3.9(e)3.i, during facility closure, the sump will be cleaned out and inspected, and the integrity will be documented. Residual material from the sump will be analyzed for waste classification purposes. Additionally, one boring will be advanced adjacent to the sump, and a soil sample will be collected analyzed for the full scan of hazardous constituents believed to have been present on site. The intent of this boring will be to investigate the potential for leaks from the original, unlined collection system.

Pits -

AOCs 5A and 5B were concrete pits associated with final collection and treatment of process wastewater within the facility effluent treatment system. AOC 5A is a 500-gallon pit which received all process wastewater from the manufacturing facility via gravity flow from an adjacent concrete basin and weir structure (described as AOC 4F). Process wastewater then flowed by gravity to the 1,000-gallon effluent treatment pit, AOC 5B, where it was monitored and treated for discharge to PVSC. The 500-gallon and 1,000-gallon pit were constructed after 1981 when the facility began pretreatment of its process wastewater. It is our understanding that these structures were original, and did not replace or upgrade other collection pits. Each of the collection tanks and pits consists of a concrete pipe with a poured concrete base which has been lined using a smaller fiberglass reinforced plastic (FRP) pipe. The gap space between the concrete and FRP pipe was filled with grout. Piping to these systems was underground and was described in the previous narrative, "Above or Below Ground Pump Stations". Since most of the materials used at the Napp site were non-hazardous, process wastewater discharged from manufacturing areas of the facility and entering these pits can also be expected to be non-hazardous and was not expected to contain significant concentrations of contaminants. Our belief that the wastewater is not a concern is strengthened by the fact that sludges from the 1,000-gallon effluent treatment pit have historically been tested and disposed as non-hazardous waste. In accordance with N.J.A.C. 7:26E-3.9(e)3.i, during facility closure, the pits will be cleaned out and inspected, and the integrity will be documented. If the integrity is confirmed to be good, residual material from the pits will be analyzed for waste classification purposes. If the integrity is questionable, the residual material will also be analyzed for the full scan of hazardous constituents believed to have been present on site.

AOC 5C is a concrete-lined pit located to the east of the hazardous waste storage area, AOC 7B. Several pipes were observed in this pit. According to Napp personnel, this pit is believed to have been a prior part of the effluent system leading to PVSC. Based upon this information, it appears unlikely that this pit was an upgrade or replacement for a preexisting system. In accordance with N.J.A.C. 7:26E-3.9(e)3.i, during facility closure, the pit will be cleaned out and inspected, and the integrity will be documented. If the integrity is confirmed to be good, residual material from the pit will be analyzed for waste classification purposes. If the integrity is questionable, the residual material will also be analyzed for the full scan of hazardous constituents believed to have been present on site. Subsequent to removal of material from this pit, dye testing will be conducted to confirm this manhole connects to PVSC.

AOCs 5D - 5I are underground pits, believed to be access to utilities. There is no information to suggest that these pits were upgrades or replacements for preexisting units. Material contained in the pits was sampled for waste classification purposes. In each case, the materials were found to be nonhazardous. However, in accordance with N.J.A.C. 7:26E-3.9(f), during facility closure, the pits system will be cleaned

out and inspected, and the integrity will be documented. If the integrity is confirmed to be good, no further sampling will be conducted at these locations. If the integrity is questionable, residual material from the pits will be analyzed for the full scan of hazardous constituents believed to have been present on site.

AOCs 5J and 5K appear to be brick-lined pits, referred to also as Manhole #4 and Manhole #8, respectively. The usage of these pits is unknown. There is no information to suggest that these pits were upgrades or replacements for preexisting units. The pits were cleaned out and material removed was sampled for waste classification purposes. The residue from the two pits contained total petroleum hydrocarbon (TPHC) concentrations of 5,000 and 41,800 parts per million (ppm). Based upon visual inspection, the integrity of AOC 5J appeared to be good. The integrity of AOC 5K could not be verified, due to the presence of a large, concrete-like obstruction. This concrete-like material was subsequently removed. Observations subsequent to removing the residue from this pit indicate additional accumulation of material likely contaminated with petroleum. It is believed that this material may be coming from the machine shop area. The machine shop area is covered with debris from the explosion and was not further investigated at this time. In accordance with N.J.A.C. 7:26E-3.9(d)1.iii, during facility closure, the pits will be cleaned out and inspected, and the integrity will be documented. If the integrity is confirmed to be good, no further sampling will be conducted at these locations. If the integrity is questionable, residual material from the pits will be analyzed for the full scan of hazardous constituents believed to have been present on site.

Rail/Truck Loading and Unloading Areas -

Raw materials and finished products were not loaded/unloaded to/from rail cars. However, there were three truck loading/unloading areas at the facility, as denoted by AOCs 6A - 6C on the attached site map.


AOC 6A is a covered loading dock located on the northwest side of the manufacturing building. This area was used for loading and unloading of raw materials, generally in 55-gallon or less quantities. The loading ramp and loading dock are constructed of concrete. A trench drain is located at the base of the loading ramp and is discussed below in the narrative, "Floor Drains or Trenches and Piping". The integrity of the loading ramp was inspected and several cracks were observed. However, there is no evidence or record of any discharges in this area. Based upon visual observation, the loading dock is in fair condition and is not surrounded by soil. In accordance with N.J.A.C. 7:26E-3.9(a)6, no sampling is proposed for this area.

AOC 6B is a truck unloading area for the aboveground storage tanks. The base and curbs for this area are asphalt. The area was resurfaced in 1984-1985. Curbing is provided on three sides. The area slopes towards the front of this area where a trench drain was installed. Spills, leaks, and stormwater accumulation from this area were discharged to the facility effluent treatment system. The asphalt paving in this area appears to be in good condition and is not surrounded by soil. In accordance with N.J.A.C. 7:26E-3.9(b)1, no sampling is proposed for this structure.

AOC 6C, a truck unloading area for hexamethylene diamine to reactor vessels located in Building #5, is located at AOC 4F. No additional sampling of this area will be proposed, other than that discussed above for AOC 4F.

Storage Pads and Areas Including Drum and/or Waste Storage -

55-gallon drums and steel tote containers of hazardous and non-hazardous raw materials, and empty containers, were stored on the west side of the manufacturing building within an uncovered, asphalt paved area. This area is identified as AOC 7A on the attached site map. Based upon a review of aerial surveys for the site, this area was paved after 1971. Aerial photographs before this date indicate that this portion of the current site was unpaved and may have been used as an access roadway by the previous facility owners, or other adjacent industries. A 1974 survey indicates that the area was partially paved by this time, and used to store material containers. The current drum storage area is approximately 5,740 square feet and is surrounded on the west and south sides by a 6 - 8 inch formed asphalt curb. The asphalt base of the area was resurfaced in 1993 and appears to be in good condition. Drainage from the drum storage area entered a trench drain and catch basin which reportedly discharged to the effluent treatment system. This



drainage collection system was installed in 1992 and appears to be in good condition. The existing drainage system replaced a catch basin which was installed in the mid 1980s, and was piped to the PVSC system. In accordance with N.J.A.C. 7:26E-3.9(d)4, since the status of the drainage system prior to the 1980s is not known, sampling will be conducted beneath the existing drainage system. Potential impacts from previous material storage activities are unknown. In accordance with N.J.A.C. 7:26E-3.9(b)1, samples will be collected beneath the asphalt pavement within this area.

The facility hazardous waste accumulation area was located to the east of the raw material storage area. This area, identified as AOC 7B on the site map, was segregated within an enclosed fence. The area was not curbed. However, the paved area was sloped so that drainage also entered the trench drain and discharged to the facility effluent treatment system. The integrity of the pavement in this area is in fair condition. There is no evidence of a discharge from this area and the storage area is not surrounded by soil. Therefore, in accordance with N.J.A.C. 7:26E-3.9(b)1, no sampling is proposed.

Dumpsters -

One dumpster, approximately 30 cubic feet capacity, was used at the facility for collection of general trash. This dumpster was located on the southwest side of the manufacturing building, adjacent to the fire pumphouse, as denoted by AOC 8A on the attached site plan. The dumpster was stored on a concrete pad. This pad is surrounded by a concrete curb and stormwater discharged to PVSC. The dumpster was not used for storage of hazardous or industrial wastes. Due to the low potential for contamination from this unit, sampling of this area is not proposed.




Chemical Storage Cabinets or Closets -

Only one flammable storage cabinet was maintained outside the manufacturing building. This unit was located on the northwest side of the building, as denoted by AOC 9A on the site map. The cabinet was kept within the paved area of the facility. This flammable cabinet was typically used to store propane cylinders. Spills or leaks of material from this cabinet would have been in the gaseous state, and would not have impacted site soils or groundwater. Therefore, contamination of this area is not anticipated and sampling is not proposed.

Floor Drains or Trenches -

Map P-1, "Process Drain Diagram", illustrates the location of existing floor trenches and drains located within the manufacturing, P & B, warehouse and laboratory/office areas of the facility. Almost the entire effluent collection system was upgraded during the period from 1981-1992. At some locations, the new system components (pre-cast trenches, piping, catch basins, etc.) were installed into the pre-existing brick-lined trenches, which date back to the time of the site's ownership by United Piece and Dye Works. During this reconstruction period, Napp personnel were not aware of any discharges from the existing system.

Manufacturing Area - In general, hazardous materials were not stored in the manufacturing process areas. Materials were transferred to these areas as needed from bulk storage tanks or the drum storage area. All vessels operated in these areas were flow through process containers. Spills or leaks from these process vessels, or those that occurred during transfer of materials, entered the floor trenches within the process area. The floors of the process area were graded so that spilled materials entered these trenches. These trenches were connected by vinyl ester resin underground piping to the process wastewater collection system and discharged to the facility's effluent treatment system.



Warehouse and Laboratory/Office Area - The trenching system visible today is a pre-cast polyester concrete system that was installed in the pre-existing brick-lined trenches. The water eventually flowed into a vinyl ester resin collection sump, and was pumped out through overhead piping. This work was done in approximately 1992.

P&B Area - The wash water collection system in this area consisted of a below grade, concrete encased stainless steel main running the length of the hallway. Each of the individual operating rooms had a catch basin and stainless steel trap/piping tying into the main. Most of this system was installed in new excavations.

Based upon waste analyses conducted on residual materials found in these trenches following the recent fire/explosion at the facility, these materials were classified and disposed as non-hazardous waste. In accordance with N.J.A.C. 7:26E-3.9(d)1, during facility closure, the trenches will be cleaned out and inspected, and the integrity will be documented. If the integrity is confirmed to be good, no further sampling will be conducted. If the integrity is questionable, the residual material will be analyzed for the full scan of hazardous constituents believed to have been present on site. In order to investigate the potential for a release from the pre-1981 system, one boring will be advanced adjacent to an underground effluent line located to the west of Building 1C. One soil sample will be collected and analyzed for the full scan of hazardous constituents believed to have been present on site.

AOC 10A consists of a trench drain located between the fire pumphouse and trash dumpster. This drain received runoff from the paved employee parking area, located on the southwest side of the facility. Accumulated wastewater entered the process wastewater collection system piping and flowed to the sumps located in the P&B area, identified as AOCs 4A and 4B, and ultimately discharged to the facility effluent treatment system. Visual inspections of this trench drain indicated that its integrity was good. Therefore, in accordance with N.J.A.C. 7:26E-3.9(d)1, no sampling is proposed aside from waste classification of any residual materials found in the system, and the integrity of the system will be documented. If the integrity is questionable, the residual material will also be analyzed for the full scan of hazardous constituents believed to have been present on site. No other sampling is proposed at this time, pending results of investigations in AOCs 4A/4B, 4F, and 10 (described above), which will be intended to investigate the integrity of the original effluent collection/drain system.

AOC 10B denotes a trench drain located in the covered loading dock on the northwest side of the manufacturing building. This area was used for loading and unloading of raw materials, generally in 55-gallon or less quantities. The drain is located at the base of the loading ramp which has a steep downgrade. The trench was equipped with a sump pump for removal of storm water. Storm water runoff was visually inspected for contamination and then pumped into the paved parking area located in the northwest corner of the property. The integrity of this drain and the loading ramp were not determined, as significant volumes of stormwater and fire water have accumulated in this area. Samples of the storm water taken June 30, 1995 were found to be non-hazardous. However, in accordance with N.J.A.C. 7:26E-3.9(d)1, during facility closure, the drain will be cleaned out and inspected, and the integrity will be documented. If the integrity is confirmed to be good, residual material from the drain will be analyzed for waste classification purposes. If the integrity is questionable, the residual material will also be analyzed for the full scan of hazardous constituents believed to have been present on site. No other sampling is proposed at this time, pending results of investigations in AOCs 4A/4B, 4F, and 10 (described above), which will be intended to investigate the integrity of the original effluent collection/drain system.

AOC 10C is a trench drain located in the tank truck unloading area for the bulk storage tanks. The tank truck unloading area is paved and curbed. Stormwater accumulation and spills or leaks occurring during material transfer were collected in this drain and discharged to the effluent treatment system. The integrity of this structure is believed to be good. In accordance with N.J.A.C. 7:26E-3.9(d)1, during facility closure, the drain will be cleaned out and inspected, and the integrity will be documented. If the integrity is confirmed to be good, residual material from the drain will be analyzed for waste classification purposes. If the integrity is questionable, the residual material will also be analyzed for the full scan of hazardous constituents believed to have been present on site. No other sampling is proposed at this time, pending results of investigations in AOCs 4A/4B, 4F, and 10 (described above), which will be intended to investigate the integrity of the original effluent collection/drain system.

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Process Area Sinks and Piping Which Receive Process Waste -

There were no process area sinks located in the manufacturing building. Mixing and blending operations were conducted directly within process vessels or reactor units. Spills or leaks from material transfer or processing activities entered the process wastewater collection system and discharged to the facility effluent treatment system, as detailed in the previous narrative, "Floor Drains or Trenches and Piping".

One maintenance sink was located in the boiler room, AOC 17A as discussed in a later narrative. This sink discharged to the trench drain in the boiler room and then to PVSC. In accordance with N.J.A.C. 7:26E-3.9(f), since there is no potential for contamination relative to this sink, no sampling of this area is proposed.

Roof Leaders When Process Operations Vent to Roof -

In general, roof leaders discharged to the paved areas of the facility property. Roof runoff at the facility entered the storm water collection system as overland flow and was discharged to the Saddle River. The facility was authorized to discharge stormwater in accordance with the NJDEP General Industrial Stormwater Permit, Permit #NJ0088315, August 16, 1993. Map P-2, "Storm Drain Diagram", illustrates the facility stormwater collection and discharge system. There was one stormwater discharge point to the Saddle River located adjacent to the parking area in the northwest corner of the property.

Emissions from process operations which were vented to the atmosphere were first directed to air emissions control equipment. The facility had received several Certificates to Operate these air emissions control equipment. Therefore, contaminated emissions were controlled prior to being vented to the atmosphere. Discharges through roof leaders to the stormwater collection system were not expected to be impacted by these process emissions. However, as a precautionary measure, the roof drains from the manufacturing buildings tied-in to the facility process drainage system. Therefore, in accordance with N.J.A.C. 7:26E-3.9(d)2, no sampling of facility roof leaders is proposed.

Storm Sewer Collection Systems -

Map P-2, "Storm Drain Diagram", illustrates the facility stormwater collection and discharge system. This system consisted of two catch basins located in the northwest corner of the facility and buried piping to the facility outfall at the Saddle River. Stormwater from raw material and waste storage areas located outside the manufacturing building did not enter this collection system; these were contained via berms, curbs or grading of the area so as to be discharged to the facility effluent treatment system. Discharges from all other paved areas of the property to the south and east enter this collection system as overland flow, which is believed to contain only non-contaminated stormwater. There is no history of releases of hazardous materials or wastes to the stormwater collection system. However, during the fire and explosion it is expected that unknown materials entered this system. Therefore, in accordance with N.J.A.C. 7:26E-3.9(d)4.i, during facility closure, the system will be cleaned out and inspected, and the integrity will be documented. If the integrity is confirmed to be good, residual material from the system will be analyzed for waste classification purposes. If the integrity is questionable, the residual material will also be analyzed for the full scan of hazardous constituents believed to have been present on site. Future investigative activities will be dependent upon the results obtained from these inspections and/or analyses.

Dry Wells -

There were two dry wells located at the facility, identified as AOCs 11A and 11B on the attached site map. Both of these systems were replaced in 1992, as discussed below.

AOC 11A was located on the west side of the facility. This area was historically used for storage of raw material and waste drums or portable containers. The dry well was utilized for collection of stormwater runoff from the storage area. This system was replaced when the current trench drain and catch basin were installed in the mid 1980's and replaced in 1992. After that time, all runoff from the area was collected and discharged to the facility effluent treatment system.

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AOC 11B was located in the courtyard area to the east of Buildings #3 and #5. This dry well was utilized for collection of stormwater from this area. A drum transfer area for materials to be added to the reaction processes was present here, as well as two 10,000-gallon aboveground storage tanks, reportedly used for storage of cooling water. In approximately 1977, the aboveground storage tanks were replaced. One of the tanks was converted to use for storage of cooling water for the facility recirculation system. In 1992 the dry well was also replaced with a block lined catch basin. The Courtyard currently pitches to the catch basin, which collects runoff and pumps the runoff to the trench drain in Building No. 5.

No investigative activities were conducted at the time these dry wells were replaced. Therefore, in accordance with N.J.A.C. 7:26E-3.9(e)3.iii, sampling is proposed for these two locations.

Open Pipe Discharges -


Storm water from the facility was discharged to the Saddle River from a single outfall, located in the northwest corner of the property. This discharge point is denoted as AOC 12A on the site map and consisted of a 8-inch diameter reinforced concrete pipe. Only stormwater expected to be non-contaminated was discharged through this system during normal facility operations. This system was kept closed during non-operating hours at the facility. There is no history of hazardous materials or waste releases or impacts from stormwater discharges from the facility prior to the fire/explosion. However, due to the emergency response activities associated with the fire and explosion, it is possible that contaminated material may have entered the storm sewer system and discharged through the outfall.

In order to determine the potential impact of potentially contaminated firewater and/or other materials potentially discharged into the stream through the outfall, stream and sediment sampling was conducted. Samples of river water were collected at the outfall as well as upstream and downstream of the outfall. Samples were analyzed for volatile organics, base neutral/acid extractable organics, metals, pesticides, and PCBs. In general, concentrations detected in upstream samples were higher than or approximately the same as concentrations detected in downstream samples or at the outfall. These data are presented in Attachment 7.

Additional testing was conducted to determine the potential effect on the river sediments and aquatic life in the river. Sediment samples were collected upstream and downstream of the facility and analyzed for pH, PCBs, TOC, and phenols. No phenols were detected. PCBs were detected upstream of Napp, but not in the downstream sample. These data are presented in Attachment 7. The absence of phenols in the sediment samples is significant for several reasons. First, it is expected that many of the compounds used by Napp would have decomposed to phenols during the April 21, 1995 fire and explosion. The fact that phenols were not detected in the sediment indicates the fire and explosion did not have a long term impact on the river. Secondly, this data also indicates that Napp's direct use of phenol at the site has not impacted the river.

As requested by EPA and NJDEP, toxicological testing was also conducted on the river sediment, including an analysis of benthic macroinvertebrate samples, as well as acute toxicity and chronic toxicity analyses. First, an analysis of benthic macroinvertebrate samples was conducted. This analysis indicated that the density and diversity of organisms were fairly low in both the upstream and downstream samples, and were indicative of historically disturbed systems that receive, or have received, moderate to high levels of pollution. In addition to the benthic analysis, acute toxicity and chronic toxicity analyses of the sediment were conducted. The results of the acute toxicity analysis indicated a survival rate of the test organisms (*daphnia magna*) of 100% in both the upstream and downstream samples, with no significant differences between the two samples. The results of the chronic toxicity analysis indicated a survival rate of the test organisms (*hyalella azteca*) of 91% and 88% in the upstream and downstream samples, respectively, both of which were greater than the survival rate of 81% which was observed in the control sample. The results of the environmental and toxicity testing indicate that no adverse chemical or biological effects are observable as a result of a potential release from the Napp facility. The reports summarizing the benthic and toxicity testing are presented in Attachment 7.

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In summary, the sample data indicate that river conditions are essentially the same upgradient and downgradient of the Napp site. This indicates that there have been no significant discharges from the facility, either historically or as a result of the fire/explosion, which have adversely affected the environment. Therefore, additional sampling of this open pipe is not proposed.

Electrical Transformers and Capacitors -

Electrical service was provided to the facility by Public Service Electric and Gas Company (PSE&G). There were two transformer locations at the facility. These are identified as AOCs 13A and 13B on the attached site map. The utility company removed these units when the facility ceased operation.

Three transformers were located on a common concrete pad on the west side of the manufacturing building, north of the fire pumphouse. These are identified as AOC 13A on the site map. These units were put into service at the facility in 1983. Facility personnel believe that these transformers were not the original units used when the facility began operation in 1970. A sample of the transformer fluid was collected in June 1995 and PCBs were not detected. The area surrounding the concrete pad is gravel covered and unlined. Releases from these units would potentially have impacted the surrounding soil. In accordance with N.J.A.C. 7:26E-3.9(b)1, the soil area surrounding this concrete pad will be sampled.

Another transformer was located outside of the manufacturing building at the southeastern corner, and is identified as AOC 13B. This unit was also located on a concrete pad, and the area surrounding the unit was concrete paved. According to Napp personnel, no evidence of releases from this area have been observed. In accordance with N.J.A.C. 7:26E-3.9(b)1, no sampling of this area is proposed.




Pole-mounted transformers were also located around the facility. These are also owned and maintained by the utility company. These units were not damaged by fire response activities at the facility. No evidence of releases from these pole-mounted units have been observed. In accordance with N.J.A.C. 7:26E-3.9(f), since there is no reason to suspect contamination in this area, no sampling is proposed for these units or the area of the facility surrounding them.

Underground Piping, Including Industrial Process Sewers -

Buried piping was used for the facility's process wastewater and stormwater collection systems. Design, construction, and operating detail of the facility effluent treatment and process wastewater collection system is described in detail in previous narratives, "Above and Below Ground Pump Stations" and "Storm Sewer Collection Systems". Napp personnel indicated that there have been no releases from these systems. As discussed in previous narratives, since most of the materials used at the Napp site were non-hazardous, process wastewater discharged from manufacturing areas of the facility and entering these piping systems can also be expected to be non-hazardous and was not expected to contain significant concentrations of contaminants. Therefore, sampling of underground piping is not proposed, other than the sampling discussed relative to AOCs 4A/4B, 4F, and 10. Sampling has been proposed in these areas in order to investigate potential releases which may have occurred prior to installation of the existing piping.

Compressor Vent Discharges -

AOCs 14A - 14C identify the locations of compressor units utilized at the facility. These systems utilize non-contact cooling water which is contained within a closed-loop recirculation system. There were no direct discharges of cooling water from these systems.



AOC 14A identifies the location of four compressor units generally situated in the facility boiler room area. Condensate from these units was released to the concrete floor within the boiler room. Ultimately this material would enter the floor trench located on the south end of this area and discharge to the facility effluent treatment facility. The floor of the boiler room was observed to be stained and cracked. Sampling is proposed beneath this floor.

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AOC 14B identifies the location of two compressors for the P&B area of the manufacturing building. These units generated compressed air for use in P & B operations. Condensate from these units entered a floor trench east of their location and was discharged to the effluent treatment facility. There is no reason to believe that this condensate was contaminated. Therefore, in accordance with N.J.A.C. 7:26E-3.9(d)5, since there is no reason to believe a potential contaminant discharge has occurred, sampling is not proposed for this area.

AOC 14C indicates the location where a leased compressor unit was routinely located. No. 2 fuel oil needed to operate this unit was obtained from the 1,000-gallon tank owned by Fortunato and stored in an adjacent maintenance area, AOC 1N on the site map. This compressor is not believed to have generated any contaminated condensate discharges. Condensate from this system discharged to PVSC. Therefore, in accordance with N.J.A.C. 7:26E-3.9(d)5, since there is no reason to believe a potential contaminant discharge has occurred, no sampling is proposed for this area.

Non-contact Cooling Water Discharges -

During recent operations, the facility did not discharge non-contact cooling water. A closed-loop recirculation system was installed by 1978. This system, identified as AOC 15A on the site map, consisted of 100 and 125 ton cooling towers, an inactive 40 ton cooling tower, a 10,000-gallon cooling water tank, and a 4,000-gallon cooling water tank. Another 100 ton cooling tower (AOC 15B) was mounted on the roof over the P&B area of the manufacturing building. Non-contact cooling waters were utilized for operation of condensers, reactors and compressors associated with manufacturing processes. Prior to this time, once-through non-contact cooling water from these systems was discharged to the facility effluent treatment system via the process wastewater collection system. Design, construction and operation of this process wastewater collection system is detailed in previous narratives. In accordance with N.J.A.C. 7:26E-3.9(f), since there is no potential for a discharge to have occurred, sampling of this non-contact cooling water system is not proposed.

Discolored Areas or Spill Area -

Discolored soils were noted at a mounded area along the property fenceline on the bank of the Saddle River. The location of this material is noted as AOC 16A on the attached site map. The composition and origin of this material is unknown. In accordance with N.J.A.C. 7:26E-3.9(f), since the potential for contamination exists, sampling of this area is proposed.

Active or Inactive Production Wells -

One inactive production well reportedly exists at the Napp facility. The location of this inactive production well is noted as AOC 2A on the attached site map. Napp reportedly never used this well and sealed it several years ago. As a result no sampling is proposed for this AOC.

Loading or Transfer Areas (Interior) -

Hazardous materials were transferred to a variety of manufacturing processes throughout the interior of the manufacturing building. Spills or leaks resulting from these activities entered the facility process wastewater collection system and were discharged to the facility effluent treatment system. Design, construction and operation of the facility's process wastewater collection and effluent treatment system are detailed in previous narratives. In accordance with N.J.A.C. 7:26E-3.9(b)1, sampling of these interior loading or transfer areas is not proposed.

Boiler Rooms -

Boiler blowdown from facility boilers was piped directly into a trench drain located on the south side of the facility boiler room. This drain was part of the facility's process wastewater collection system and was discharged to the effluent treatment system. The facility boiler room is denoted as AOC 17A on the attached

site map. The process wastewater collection system for this area is illustrated on Map P-1, "Process Drain Diagram". The design, construction and operation of this system is detailed in previous narratives. Sampling of this trench drain is not proposed. The floor of the boiler room was observed to be stained and cracked. In accordance with N.J.A.C. 7:26E-3.9(d)5, sampling is proposed beneath this floor, at a cracked location.

Air Vents and Ducts -

Manufacturing processes which resulted in air contaminant emissions were vented to air pollution control equipment. This equipment, as detailed in the narrative "Roof Leaders When Process Operations Vent to Roof", was permitted. There is no reason to suspect that air vents located in facility manufacturing or processing areas were contaminated. Therefore, in accordance with N.J.A.C. 7:26E-3.9(f), no sampling is proposed for these systems.

The facility utilized a dust collector and baghouse system for manufacturing areas involving solid materials. The dust collector and baghouse were located outside the manufacturing building in the paved area adjacent to the drum storage area. These are denoted as AOC 18A on the site map. Air contaminants from manufacturing areas were transferred to this pollution control equipment via a series of overhead ductwork. There is no reason to suspect that there were any releases from this system. Therefore, in accordance with N.J.A.C. 7:26E-3.9(f), no sampling is proposed for the area surrounding this equipment. During facility closure, this duct work and the air pollution control equipment will be cleaned. Residual material will be sampled and characterized for disposal.

Hazardous Material Storage or Handling Areas -

Hazardous materials were handled throughout the manufacturing building. Spills or leaks resulting from these activities entered the facility process wastewater collection system and were discharged to the facility effluent treatment system. The process wastewater collection system for this area is illustrated on Map P-1, "Process Drain Diagram". Spills or leaks of materials occurring in these process areas would have been contained within the building. Design, construction and operation of the facility's process wastewater collection and effluent treatment system is detailed in previous narratives. In accordance with N.J.A.C. 7:26E-3.9(b)1, since the areas are completely surrounded by impervious cover, sampling of these interior areas is not proposed.

Inconsistent Curbing -

Curbing was installed around the parking area in the northwest corner of the property in 1992. This curbing was noted to have been damaged during fire fighting operations on April 21, 1995. This curbing was noted to have been damaged in the location identified as AOC 20A on the site map. The paved area has been designed to drain to one of two stormwater collection basins for ultimate discharge to the Saddle River. Releases of materials or wastes in this area were prevented from being discharged to this water course by manually controlling a valve in the western catch basin. This valve was only kept open during normal operating hours and was kept closed on weekends. Although the potential exists that contaminated fire water resulting from the facility explosion in April 1995 may have entered this area and discharged through this curbing to the surrounding banks of the Saddle River, no soil discoloration was observed in this area. In accordance with N.J.A.C. 7:26E-3.9(f), no sampling of the river bank immediately behind this area is proposed.

The northwest edge of the adjacent Fortunato property is not contained beyond the paved employee parking lot. This area is indicated as AOC 20B on the site map. Although the potential exists that contaminated fire water resulting from the facility explosion in April 1995 may have entered this area and discharged to the surrounding banks of the Saddle River, no soil discoloration was observed in this area. In accordance with N.J.A.C. 7:26E-3.9(f), no sampling of the river bank behind this area is proposed.

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Pavement Cracks -

In several areas of the facility there were breaches in the site pavement. In accordance with N.J.A.C. 7:26E-3.9(f), sampling is proposed at selected locations to determine if the underlying soil was impacted by fire/explosion response activities at the facility. These are identified as AOCs 21A - 21C.

NOTICE ABOUT OVERSIZED MAP



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NO.	DATE	REVISIONS	BY	CHKD	APP'D
 ENSR ENSR CONSULTING, ENGINEERING, AND REMEDIATION AREAS OF CONCERN NAPP TECHNOLOGIES, INC. LODI, NEW JERSEY					
DRAWN: WLH		DATE: 1/96		FIGURE NUMBER 5-1	
SCALE: 1" = 20'		PROJECT NUMBER 9500-196-10A		DRAWING NUMBER 9500-150	

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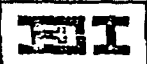

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B	ISSUED TO OWNER	WHS	21 OCT. 94
A	ISSUED FOR OWNER'S REVIEW & COMMENT	WHS	31 AUG 94
REV.	REVISION DESCRIPTION	BY	DATE
 EI ASSOCIATES ARCHITECTURE • ENGINEERING • CONSTRUCTION 115 Evergreen Pl., E. Orange, NJ 07018 • (201) 572-8188 PROJECT NO. EE3849			
 Napp Technologies Inc. 199 MAIN ST., BERGEN CO. LODI, NEW JERSEY 07644			
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A	ISSUED FOR OWNER'S REVIEW & COMMENT	WMS	31 AUG 94
REV.	REVISION DESCRIPTION	BY	DATE
 EI ASSOCIATES ARCHITECTURE•ENGINEERING•CONSTRUCTION 115 Evergreen Pl., #2, Orange, NJ 07019 • (201) 675-8188 PROJECT NO. EE3048			
 Napp Technologies Inc. 199 MAIN ST., BERGEN CO. LODI, NEW JERSEY 07644			
SCALE: 1/16"=1'		DWN. BY YM	
DWG. P-2		DATE 21-OCT-94	
STORM DRAIN SCHEMATIC			

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877490051

877490052

ATTACHMENT 7
Historical Sample Data Summary
Toxicological Reports

877490053

ATTACHMENT 7

7. Historical Data on environmental quality at the Industrial Establishment

Limited sampling data has been collected as part of the ongoing site emergency response. Environmental data collected since the April 1995 fire/explosion includes groundwater, river sediment, river water, and off-site soils. These data are presented and discussed below. Various waste classification samples have been collected throughout the site, but are not presented here. Effluent data was collected during the facility's operation, and also is not presented here. Waste classification and effluent data can be provided upon request.

Groundwater samples were collected by ENSR in May 1995 from four monitoring wells located on the northeast portion of the property. These wells were installed by the adjacent Fine Organics Corporation to monitor the migration of contaminated groundwater from Fine Organics to Napp. As shown on Figure 7-1, the samples indicate the presence of volatile organic compounds, various metals, and PCBs in concentrations above the New Jersey Groundwater Quality Criteria. Groundwater is believed to flow west-southwest towards the Saddle River, generally from Fine Organics toward Napp.

As indicated on Figure 7-2, off-site soil samples were also collected in May 1995, both upgradient and downgradient of the site. The upgradient samples were taken along the edge of the Fine Organics property, and showed no visual evidence of being impacted by the fire/explosion. The downgradient samples were intended to represent "worst case" locations, and were collected from areas that appeared to have been potentially affected by the fire/explosion. Both sets of data indicate the presence of various polyaromatic hydrocarbon compounds above the New Jersey Residential Direct Contact Soil Cleanup Criteria. Constituents detected, as well as relative concentrations, are comparable for the upgradient and downgradient sample locations. This indicates that neither normal operations nor the fire/explosion at the Napp facility appear to have impacted the surrounding soils. Polyaromatic hydrocarbon (PAH) compounds were not identified as a potential contaminant of concern based on our review of the inventory of material used in Napp's operations, suggesting that the PAHs detected in upgradient and downgradient soil samples may be the result of regionally affected river sediments that have been deposited along the shoreline or were historically present in fill materials used in previous site development along the river. This is supported by our review of aerial photographs from 1940, 1951 and 1961 which show inundated, lowlying areas along the Saddle River shoreline immediately west and southwest of the Napp buildings. Moreover, the PCB Arochlors 1248 and 1260 detected at locations upgradient and downgradient of the Napp facility were similar to the PCB arochlors detected as a result of remedial PCB sampling investigations previously conducted at the adjacent Fine Organics facility.

In order to determine the potential impact of firewater discharged into the stream through the stormwater discharge outfall, stream and sediment sampling was conducted. Samples of river water were collected at the outfall as well as upstream and downstream of the outfall. Samples were analyzed for volatile organics, base neutral/acid extractable organics, metals, pesticides, and PCBs. As indicated on Figure 7-3, in general, concentrations detected in upstream samples were higher than or approximately the same as concentrations detected in downstream samples or at the outfall.

Additional testing was conducted to determine the potential effect on the river sediments and aquatic life in the river. Sediment samples were collected upstream and downstream of the facility and analyzed for pH, PCBs, TOC, and phenols. These data are presented on Figure 7-3. No phenols were detected. PCBs were detected upstream of Napp, but not in the downstream sample. The absence of phenols in the sediment samples is significant for several reasons. First, it is expected that many of the compounds used by Napp would have decomposed to phenols during the April 21, 1995 fire and explosion. The fact that phenols were not detected in the sediment indicates the fire and explosion did not have a long term impact on the river. Secondly, this data also indicates that Napp's direct use of phenol at the site has not impacted the river.

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As requested by EPA and NJDEP, toxicological testing was also conducted on the river sediment, including an analysis of benthic macroinvertebrate samples, as well as acute toxicity and chronic toxicity analyses. First, an analysis of benthic macroinvertebrate samples was conducted. This analysis indicated that the density and diversity of organisms were fairly low in both the upstream and downstream samples, and were indicative of historically disturbed systems that receive, or have received, moderate to high levels of pollution. In addition to the benthic analysis, acute toxicity and chronic toxicity analyses of the sediment were conducted. The results of the acute toxicity analysis indicated a survival rate of the test organisms (*daphnia magna*) of 100% in both the upstream and downstream samples, with no significant differences between the two samples. The results of the chronic toxicity analysis indicated a survival rate of the test organisms (*hyalella azteca*) of 91% and 88% in the upstream and downstream samples, respectively, both of which were greater than the survival rate of 81% which was observed in the control sample. The results of the environmental and toxicity testing indicate that no adverse chemical or biological effects are observable as a result of a potential release from the Napp facility. The results of the toxicity testing indicate that no adverse biological effects are observable as a result of a potential release from the Napp facility. The reports summarizing the benthic and toxicity testing are presented in Attachment 7.

In summary, the river water and sediment data indicate that river conditions are essentially the same upgradient and downgradient of the Napp site. This supports the view that there have been no discharges from the facility into the river, either historically or as a result of the fire/explosion, which have adversely affected the environment.

As discussed with NJDEP during the November 8, 1995 site inspection, Napp continues to conduct activities at the site such as removal of equipment and residual materials. As this work is conducted, additional sampling data is occasionally generated. In addition, Napp is in the process of obtaining additional environmental sampling data collected by various agencies as a result of the fire and explosion. Napp will submit this additional information to NJDEP under separate cover.

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**Analysis of Benthic Macroinvertebrate Samples Collected
in the Saddle Brook River on May 2, 1995**

Performed for:

**ENSR
Piscataway, NJ**

Performed by:

**ENSR
Fort Collins, CO**

May 1995

1.0 INTRODUCTION

On May 2, 1995 benthic macroinvertebrate samples were collected from the Saddle River by ENSR personnel. Those samples were sent to the Fort Collins Environmental Toxicology Laboratory for analysis. The purpose of the investigation was to determine if degradations had occurred in the benthic macroinvertebrate community downstream of the Napp Technologies facility. This report describes the analytical procedures and results.

2.0 METHODS

2.1 Sample Collection

Samples were collected at 4 locations in the Saddle River; 2 upstream of the site and 2 downstream. At each of the 4 locations a 6-inch Ekman bottom dredge was used to collect four grabs (A, B, C, and D) situated on a transect running from the west bank to the east bank. The four grabs were combined into a single composite sample. At station DD-1 grabs C and D were taken at very rocky locations and therefore little sediment was recovered. At the other three locations grabs A and B were taken at rocky locations with little sediment recovery. It is assumed, therefore, that at each location only 2 grabs yielded a substantial amount of sediment. The composite samples were placed into glass quart jars and preserved with 70 percent isopropanol (rubbing alcohol). Basic water chemistry measurements were taken at the time of collection (Table 1).

2.2 Laboratory Analysis

Benthic samples were received in the laboratory on May 3. The chain custody is included as Appendix A. Each sample was logged in and assigned a laboratory identification number (Table 1). Samples were sorted primarily by sieving the sandy substrate through a series of brass or stainless steel sieves. All organisms observed in the sample were sorted from the sediment. Sample UD-1 appeared to have a large number of organisms in the sediment and was therefore split twice using a rotating sample splitter (after homogenization). The resulting sediment sample that was examined was, therefore, 25 percent of the original sample.

Identification was completed using compound and dissecting microscopes. Where necessary (e.g., chironomids and oligochaetes) temporary or semi-permanent microscope slides were made. See section 4.0 for a listing of the taxonomic texts used. Organisms were identified to the Lowest Practical Taxon (LPT).

2.3 Data Analysis

For each sample location the total number of taxa and the number of organisms/144 in² (1 ft²) was determined. In addition, MultiVariate Statistics Package (MVSP) was used to determine the Shannon-Wiener (Weaver) Diversity and Evenness using the natural log.

3.0 RESULTS

Oligochaetes dominated the samples comprising over 30 percent of each sample (Table 2). Most of the oligochaetes appeared to belong to the family Naididae due to their 1) small size (< 2.5 cm), 2) lack of hair setae, and 3) multiple (> 2), bifurcate setae. A single, very long (> 5 cm) worm was found in the sample from UL-1 and was assumed to be a Tubificidae. In addition, one specimen was found in DL-1 which only had 2 setae per bundle and was identified as Lumbriculidae. Because of the large number of worms, not every worm was examined microscopically; it is possible that some animals classified as Naididae may belong to one of the other families. All of these oligochaetes, however, are pollution-tolerant and indicative of historically disturbed systems.

Chironomids were also common in the samples. Several specimens of Orthoclaadiinae (subfamily) were identified. Because of the markedly different appearance of the mentums, it was possible to identify 3 distinct species of Orthoclaadiinae, although determination of the exact species was not possible. Therefore, these were simply listed as species 1, species 2, and species 3. Some dipteran pupae were found in the samples. Since the shed larval skin of a chironomid was attached to one pupae, and since chironomids were the dominant dipterans in the samples, it was assumed that the pupae were also chironomids, although genus identification was not attempted.

A single specimen from the family Ceratopogonidae (Diptera) was found in the UL-1 sample; the isopod *Caecidotea* sp. was found in samples from UL-1 and DD-1.

At stations UL-1 and DL-1 empty shells of a gastropod (Lymnaeidae) and a pelecypod (Sphaeridae) were found. Since no soft tissue was found in any of these shells they were considered artifacts and were not included in the list of organisms (Table 2).

Station UD-1 was found to have the greatest number of organisms after taking into account the sample splitting. Since the sample splitting was done as quantitatively as possible, the numbers calculated for UD-1 are believed to be realistic. Station UL-1, however, had the highest Shannon-Wiener (SW) diversity (2.06). The highest evenness values were calculated for both of the upstream stations (Table 3). The

actual SW printout is included as Appendix C.

Since no true field replicates were collected, statistical analysis at a given level of probability could not be performed. Although it appears that organisms are more abundant and diverse upstream of the site, this hypothesis cannot be tested with the available data. All of the organisms collected, however, are indicative of historically disturbed systems that receive, or have received, moderate to high levels of pollution.

4.0 REFERENCES

- Beck, Jr., W.M. 1976. Biology of Larval Chironomids. Vol. 2, No. 1. State of Florida, Department of Environmental Regulation, 58 pp.
- Brinkhurst, R.O. Keys to Water Quality Indicative Organisms (Southeastern United States). Oligochaeta. Department of the Interior.
- Merritt, R.W. and K.W. Cummins. 1984. An Introduction to the Aquatic Insects of North America. Second Edition. Kendall Hunt Publishing Company, 722 pp.
- Pennak, R.W. 1989. Fresh-Water Invertebrates of the United States, Protozoa to Mollusca. Third Edition. John Wiley & Sons, Inc., 628 pp.
- Stewart, P.L. and J.S. Loch. 1973. A Guide for the Identification of Two Subfamilies of Larval Chironomidae: the Chironomidae and Tanypodinae Found in Benthic Studies in the Winnipeg River in the Vicinity of Pine Falls, Manitoba in 1971 and 1972. Technical Report Series No.: CEN/T-73-12. Department of the Environment Fisheries and Marine Science, 46 pp.

Table 1. Water Quality Measurements at the Time of Sample Collection¹

Station	ENSR Laboratory ID Number	pH	Dissolved Oxygen (mg/L)	Specific Conductance (mS/cm)	Salinity (percent)	Temperature °C
UL-1	130B	8.0	8.21	0.580	0.02	12.1
UD-1	131B	7.0	9.2	0.570	0.02	12.2
DL-1	129B	5.5	8.21	0.560	0.02	11.6
DD-1	128B	6.0	7.19	0.548	0.02	11.8

¹ Characterizations performed in the field.

Table 2. Density and Relative Abundance of Benthic Macroinvertebrates Collected at Four Sites in the Saddle River.

Organism	Station							
	UL-1		UD-1		DL-1		DD-1	
	#/ft ²	RA ¹	#/ft ²	RA	#/ft ²	RA	#/ft ²	RA
Diptera								
Ceratopogonidae ¹	1	2.1						
Chironomidae								
Chironominae								
Chironomini								
<i>Cryptochironomus</i> sp.	8	16.6	44	25			11	29
<i>Dicrotendipes</i> sp.	4	8.3	32	18.2	3	8.1	1	2.6
<i>Polypedium</i> sp.	6	12.5	16	9.1	1	2.7	4	10.5
Orthocladinae (species 1)	6	12.5	16	9.1	1	2.7	2	5.3
Orthocladinae (species 2)	2	4.2					1	2.6
Orthocladinae (species 3)	1	2.1			1	2.7		
Chironomidae pupae	2	4.2			5	13.5		
Isopoda								
Asellidae								
<i>Caecidotes</i> sp.	3	6.2					2	5.3
Oligochaeta								
Naididae	14	29.2	68	38.6	25	67.6	17	44.7
Tubificidae	1	2.1						
Lumbriculidae					1	2.7		
TOTAL	48	100	176	100	37	100	38	100
TOTAL # OF TAXA	11		5		7		7	

Note: Four, 36 in² samples were collected and composited to make one, 144 in² (1 ft²) sample.

¹ RA = Percent Relative Abundance

Table 3. Shannon-Wiener Diversity and Evenness

Station	SW Diversity¹	SW Evenness
UL-1	2.06	0.86
UD-1	1.46	0.91
DL-1	1.13	0.58
DD-1	1.46	0.75

¹ Calculated using the natural log

Appendix A
Chain of Custody

Misc.4: a:\9500196\BENTHOS.RPT

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CHAIN OF CUSTODY / ANALYSIS REQUEST

PAGE 1 OF 1

Name (for report and invoice) Kerry Sullivan		Samplers Name (Printed)		Site/Project Identification NAPP / LODI, NEW JERSEY	
Company ENSR		P.O. #		State (Location of site) NJ: <input checked="" type="checkbox"/> NY: <input type="checkbox"/> Other:	
Address 201 Centennial Ave		Analysis Turnaround Time Standard <input type="checkbox"/> Rush Charges Authorized For 2 Week <input type="checkbox"/> 1 Week <input type="checkbox"/> Other <input type="checkbox"/>		Regulatory Program:	
City Piscataway NJ		State NJ		Zip 08854	
Phone 908-457-0500		Fax 908-457-0550		ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUESTED ANALYSIS)	
Sample Identification		Date	Time	Matrix	No. of Cont.
DD-1 / Downgradient 250yd	5/2/95	1130	SEP	1	X
DL-1 / Downgradient 100yd		1415		1	X
UL-1 / Upgradient 100yd		1435		1	X
UD-1 / Upgradient 250yd		1520		1	X
LAB USE ONLY					
Project No:					
Job No:					
Sample Numbers					

Preservation Used: 1 = ICE, 2 = HCl, 3 = H₂SO₄, 4 = HNO₃, 5 = NaOH
6 = Other _____ 7 = Other _____

Soil: _____ Water: _____

Special Instructions:

Water Metals Filtered (Yes/No)?

Relinquished by 1) Ant. Borchert	Company ENSR	Date / Time 5/2/95 1800	Received by 1) Tracy A. Sella	Company ENSR Toxicology Corp.
Relinquished by 2)	Company	Date / Time	Received by 2)	Company
Relinquished by 3)	Company	Date / Time	Received by 3)	Company
Relinquished by 4)	Company	Date / Time	Received by 4)	Company

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Appendix B
Laboratory Data Sheets

MACROINVERTEBRATE LABORATORY ANALYSIS FORM

Project Number: <u>200-176-10A</u>	Project Name: <u>NAPP</u>
Station Designation: <u>VL-1</u>	Station Comments: <u>Upstream</u>
Collection method: <u>EKman (6 inch)</u>	Replicate: <u>ENSR# 130B</u>
Collected By: <u>Kerry Sullivan</u>	Date Collected: <u>5/2/95</u>
Analyzed By: <u>David Pillard</u>	Date(s) Analyzed: <u>5/8/95</u>

Taxa	Total Number	Volume of Sample Examined	¹⁴⁴ Area Sampled <u>36</u> m ²	No. per Unit Area (1 m ²)	Remarks
<u>Gastropoda</u>					
<u>Lymnaeidae</u>	<u>1</u>	<u>100%</u>	<u>1</u>	<u>10.76</u>	<u>Empty - no soft tissue</u>
<u>Pelecypoda</u>					
<u>Sphaeriidae</u>	<u>2</u>		<u>2</u>	<u>21.52</u>	<u>Empty</u>
<u>Diptera</u>					
<u>Ceratopogonidae</u>	<u>1</u>		<u>1</u>	<u>10.76</u>	
<u>(Dasyheleinae or Ceratopogoninae)</u>					
<u>Dipteran Pupae</u>	<u>X 2</u>		<u>2</u>	<u>21.52</u>	
<u>Chironomidae</u>					
<u>(SF) Chironominae</u>					
<u>(Tribe) Chironomini</u>					
<u>Cryptochironomus sp.</u>	<u>8</u>		<u>8</u>	<u>86.08</u>	<u>III</u>
<u>Isopoda</u>					
<u>Asellidae</u>					
<u>Caecidotea sp.</u>	<u>3</u>	<u>✓</u>	<u>3</u>	<u>32.28</u>	
Total, This Page					
Total, Entire Sample					

¹ 36 m² x 4 = 144 m² - 4 grabs combined into one

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MACROINVERTEBRATE LABORATORY ANALYSIS FORM

Project Number: 9500-196-104	Project Name: NAPP
Station Designation: VL-1	Station Comments: Upstream
Collection method: 6-in Ekman	Replicate: ENSA-# 130B
Collected By: Keny Sullivan	Date Collected: 5-2-95
Analyzed By: David Pillard	Date(s) Analyzed: 5-8-95

[illegible]

MACROINVERTEBRATE LABORATORY ANALYSIS FORM

Project Number: 9500-196-10A	Project Name: VAPP
Station Designation: DL-1	Station Comments: Downstream
Collection method: 6-inch Ekman	Replicate: ENSR # 129B
Collected By: Kerry Sullivan	Date Collected: 5/2/95
Analyzed By: David Pillard	Date(s) Analyzed: 5/9/95

Taxa	Total Number	Volume of Sample Examined	Area Sampled 144 in ²	No. per Unit Area (m ²)	Remarks
Gastropoda		100.76			
Lymnaeidae	1		1	10.76	Empty
Prelecypoda					
Sphaeriidae	1		1	10.76	Empty
Diptera pupae	5		5	53.8	
Chironomidae					
Chironominae					
Chironomini					
Polypodilum sp	1		1	10.76	1
Dicrotendipes sp	3		3	32.28	III
(1st) Orthocleidiinae	1		1	10.76	1
(3rd) Orthocleidiinae	1		1	10.76	1
Oligochaeta					
Naididae	25		25	269	2 nd
Lumbriculidae	1*	✓	1	10.76	1*
Total, This Page					
Total, Entire Sample					

*Specimen destroyed during identification
 Only 2 setae / bundle, no hair setae.

877490070

MACROINVERTEBRATE LABORATORY ANALYSIS FORM

Project Number: 9500-196-10A	Project Name: NAPP
Station Designation: DD-1	Station Comments: Downstream
Collection method: 6-in Ekman	Replicate: ENSR #128B
Collected By: Kerry Sullivan	Date Collected: 5-2-95
Analyzed By: David Pillard	Date(s) Analyzed: 5-9-95

Taxa	Total Number	Volume of Sample Examined	Area Sampled 144 in ²	No. per Unit Area (m ²)	Remarks
Isopoda		100%			
Asellidae		1			
Caecidotea sp	2	1	2	21.52	
Diptera					
Chironomidae					
Chironominae					
Chironomini					
Cryptochironomus sp	11		11	118.36	
Polypedilum sp	4		4	43.04	
Orthocladinae 2	1		1	10.76	
Orthocladinae 1	2		2	21.52	*
Oligochaeta					
Naididae ?	17		17	182.92	
Chironomidae					
Dicoretendipes sp	1	✓	1	10.76	*
Total, This Page					
Total, Entire Sample					

*Pupae, but larva exuvia
 Still attached
 *with case

877490071

Appendix C

Calculations of Shannon-Wiener Diversity and Evenness

 ***** M.V.S.P. *****

Date of analysis - 5-17-1995
 Time of analysis - 2:11:49pm

Input file name - A:\9500196\BENTHOS.PRN
 Output file name - A:\9500196\BENTHOS.DIV

Test data for diversity analysis

Diversity index program.

RAW DATA

3	0	0	2
8	44	0	11
6	16	1	4
4	32	3	1
6	16	1	2
2	0	0	1
1	0	1	0
1	0	0	0
2	0	5	0
14	68	25	17
1	0	0	0
0	0	1	0

Log base e

SHANNON DIVERSITY INDEX

Sample	Index	Evenness	Number of species
1 UL-1	2.0650	0.8612	11
2 UD-1	1.4599	0.9071	5
3 DL-1	1.1294	0.5804	7
4 DD-1	1.4571	0.7488	7

Analysis finished at - 2:12:22pm

877490073

8505-245-220

Study Title

Chronic Toxicity of Whole Sediment from the Saddle Brook River
to *Hyalella azteca* Under Static-Renewal Test Conditions.

Author

Karen A. Barten

Study Period

Start: May 2, 1995

End: May 12, 1995

Performing Laboratory

ENSR Consulting and Engineering
Fort Collins Environmental Toxicology Laboratory
4413 West LaPorte Avenue
Fort Collins, CO 80521

Telephone: (970) 416-0916

FAX: (970) 493-8935

Laboratory Project ID

8505-245-220

877490074

STATEMENT OF PROCEDURAL COMPLIANCE

I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge, accurate and complete.

David A. Feltner for JRH
J. Russell Hockett
Study Director

5-23-95
Date

STATEMENT OF QUALITY ASSURANCE

The test data were reviewed by the Quality Assurance Unit to assure that the study was performed in accordance with the protocol and standard operating procedures. This report is an accurate reflection of the raw data.

Christa Barth
Quality Assurance Unit

May 23, 1995
Date

SUMMARY

Sponsor	ENSR-Piscataway
Project Officer	Art Goeller
Study Director	J. Russell Hockett (970) 416-0916
Test Facility	ENSR Consulting and Engineering 4413 West LaPorte Avenue Fort Collins, Colorado 80521
Location of Data	Data Records and Storage 328 Link Lane #4 Fort Collins, Colorado 80524
Test Substance	Whole Sediment
Subject	10-Day Static-Renewal Toxicity Test
Test Dates	May 2, 1995 to May 12, 1995
Length of Study	10 Days
Test Species	<i>Hyalella azteca</i>
Source of Organisms	Aquatic Research Organisms, Hampton, New Hampshire (ENSR in-house culture since 12/1/94)
Size of Test Organisms	< 3mm
Test Concentrations	Control and 100%
Control Sediment	Florissant Reference Soil
Overlying Water	Site Water Match
Results	Treatments with significantly reduced survival compared to the control: None. Treatments with significantly reduced growth compared to the control: None.

1.0 INTRODUCTION

Study Sponsor	ENSR - Piscataway
Client	Napp
Site Water	Saddle Brook River
Testing Laboratory	ENSR/FCETL

2.0 DESCRIPTION OF SEDIMENT AND CONTROL SUBSTANCES

2.1 Test Substance

Two whole sediment samples were used for testing; the samples were collected and labeled as follows (see Appendix A for chain of custody records):

Whole Sediment Sample	Collection Date and Time	ENSR Sample #
SED-UP	4/28/95 at 1430	7788
SED-DOWN	4/28/95 at 1705	7790

All sediment from each site was mechanically homogenized prior to use in testing (ENSR SOP #5208).

2.2 Control Sediment

A control sediment (Florissant reference soil provided by USFWS-NFCRC in Columbia, Missouri) was tested concurrently.

2.3 Overlying Water

The overlying test water was laboratory reconstituted water prepared to match the average hardness and alkalinity ($\pm 15\%$) of the two site water samples (hardness of 212 mg/L CaCO_3 and alkalinity of 128 mg/L CaCO_3). Initial characterization of overlying test water was as follows:

Batch/Sample #	Hardness (mg/L) ¹	Alkalinity (mg/L) ¹	Conductivity ($\mu\text{S}/\text{cm}$)	Ammonia (mg/L N)
1761	202	116	639	<0.1

¹As CaCO_3 .

3.0 TEST CONDITIONS

3.1 Test Method

The study was a 10-day static-renewal chronic test using *Hyalella azteca*, and was conducted following ASTM (1992) guidelines and procedures described by USEPA (1994). The biological responses measured were death (defined as no visible movement nor any response to gentle prodding with a blunt probe) and growth (mean dry weight). The complete test protocol is included as Appendix B.

3.2 Test Duration

Test duration was 10 days, beginning at 1315 on May 2, 1995 and ending at 1115 on May 12, 1995.

3.3 Test Apparatus

Test chambers were 500-mL glass beakers containing 100 mL of test sediment and 175 mL of overlying water. Sediment was first added to the beakers followed by the overlying water; sediment was allowed to settle overnight. At test initiation, ten *Hyalella azteca* were randomly distributed to each test chamber, and eight replicates were tested per treatment (80 organisms per treatment). *Hyalella azteca* were exposed to 100 percent test sediment and a control. All test chambers were held in a temperature controlled water bath under fluorescent lighting with a photoperiod of 16 hours light: 8 hours dark; target test temperature was $23 \pm 1^\circ\text{C}$.

3.4 Feeding

Test organisms were fed 1.5 mL of an incubated mixture of yeast, trout chow, and cerophyll (YTC; USEPA 1989) per test chamber on a daily basis.

3.5 Aeration

Test chambers were aerated for at least 30 minutes prior to addition of test organisms. Within a few hours following addition of the test organisms at test initiation, dissolved oxygen levels approached 40 percent of saturation in some test chambers. Because of this, all test chambers were gently aerated for the remainder of the test.

4.0 TEST ORGANISMS

Test organisms were *Hyalella azteca* (< 3mm in size) obtained from an in-house culture of organisms originally obtained from Aquatic Research Organisms in Hampton, New Hampshire December 1, 1994 (FCETL Lot #94-133). There was no apparent mortality of test organisms prior to test initiation and the organisms appeared to be in good physical condition. Test organisms were transferred directly from culture water (at the test temperature) into test chambers without additional acclimation.

5.0 QUALITY ASSURANCE

The most recent acute reference toxicant test using *Hyaella azteca* from Lot #94-133 was initiated December 1, 1994. Sodium chloride was used as the reference toxicant with moderately hard reconstituted water as the dilution water.

6.0 RESULTS

6.1 Biological Data

Percent survival and growth (mean dry weight) of test organisms after 10 days are provided in the following table.

Sample	Percent Survival	Mean Dry Weight (mg)
Control	81	0.12
SED-UP	91	0.30
SED-DOWN	88	0.17

6.2 Data Analysis

All data analyses were performed by inspection because percent survival and mean dry weight per organism were greater in both test treatments than in the control.

6.3 Test Endpoints

Endpoint	Treatment Site(s)
Significantly Reduced Survival	None
Significantly Reduced Growth	None

6.4 Physical and Chemical Data

During the first 3.5 hours following test initiation on test day 0, dissolved oxygen concentrations were ≥ 2.8 mg/L (40 percent of saturation at 5,200 feet elevation above sea level). Aeration was initiated at this time and for the remainder of the test, dissolved oxygen concentrations were ≥ 6.5 mg/L (92 percent of saturation at 5,200 feet elevation above sea level). Test temperature was maintained between 22 and 23°C, and pH ranged from 7.8 to 8.8. The following two tables summarize physical and chemical data for overlying water from the control and each sediment sample. See Appendix C for all water quality measurements.

Treatment	pH (units)		DO (mg/L)		Conductivity (μ S/cm)		Temperature ($^{\circ}$ C)	
	High	Low	High	Low	High	Low	High	Low
Control	8.5	7.8	7.2	6.6	667	608	23	22
SED-UP	8.8	8.1	7.0	6.5	659	634	23	22
SED-DOWN	8.7	7.9	7.0	6.5	689	662	23	22

Treatment	Hardness (mg/L CaCO ₃)			Alkalinity (mg/L CaCO ₃)			Ammonia (mg/L N)		
	Day 3	Day 6	Day 10	Day 3	Day 6	Day 10	Day 3	Day 6	Day 10
Control	216	188	198	92	71	101	0.2	<0.1	0.5
SED-UP	214	190	206	132	110	122	<0.1	<0.1	<0.1
SED-DOWN	216	220	212	94	91	99	<0.1	<0.1	<0.1

6.5 Reference Toxicant Test Results

Reference toxicant test results are summarized in the following table.

LC ₅₀	ENSR/FCETL Historical 95% Control Limits	
	Low	High
2863	1120	4599

Note: Values expressed as mg/L chloride.

7.0 PROTOCOL DEVIATIONS

To the best of Study Director's knowledge, no deviations from the test protocol (Appendix B) occurred during the study.

8.0 LITERATURE CITED

ASTM. 1992. Standard Guide for Conducting Sediment Toxicity Tests with Freshwater Invertebrates. Method E-13823-92. 1992 Annual Book of ASTM Standards. Vol. 11.04, Section 11, Water and Environmental Technology.

USEPA. 1989. Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms. Second Edition. EPA/600/4-89/001.

USEPA. 1994. Methods for Measuring the Toxicity and Bioaccumulation of Sediment-Associated Contaminants with Freshwater Invertebrates. EPA/600/R-94/024.

8505-245-220

APPENDIX A
CHAIN OF CUSTODY RECORDS

777 New Durham Road
Edison, New Jersey 08817
Phone: (908) 549-3900 Fax: (908) 549-3679

PAGE 1 OF 3

[illegible]

Special Instructions:

Water Metals Filtered (Yes/No)?

Relinquished by 1) <i>Kerry Sullivan</i>	Company <i>TOFEDEX ENSR</i>	Date / Time <i>4/28/95 11:45</i>	Received by 1) <i>Mark Brady</i>	<i>4/29/95 1320</i>	Company <i>ENSR/FCCTL</i>
Relinquished by 2)	Company	Date / Time 	Received by 2)		Company
Relinquished by 3)	Company	Date / Time 	Received by 3)		Company
Relinquished by 4)	Company	Date / Time 	Received by 4)		Company

All samples
on ice @ 4°C

877490083

APPENDIX B
TEST PROTOCOL



ENSR Consulting and Engineering

ENSR Proj. # 8505-245
Prot. No.: HA1NJ.BSED
Effective 5/95
Page 1 of 5

Title: Short-Term Chronic Toxicity of Whole Sediment from Saddle River to *Hyaella azteca*.

Testing Facility: ENSR Consulting and Engineering
Fort Collins Environmental Toxicology Laboratory
4413 West LaPorte Avenue
Fort Collins, Colorado 80521
(303) 416-0916
Study Director: J. Russell Hockett

877490085

1.0 INTRODUCTION

1.1 Objective

To determine the short-term chronic toxicity of Saddle River sediment to *Hyalella azteca*.

1.2 Test Material

Sediment samples will be collected and shipped to ENSR's Fort Collins Laboratory. At the laboratory, samples will be stored under refrigeration (4°C) until used in testing. Prior to testing, the sediment from each replicate sample will be separately homogenized following ENSR SOP #5208. Endemic organisms observed in the sediment samples will be removed manually.

2.0 MATERIALS AND METHODS

2.1 Basis

This protocol is patterned after procedures described in ASTM Method E1383-92 (ASTM 1992) and Ingersoll et al. (1994).

2.2 Test Organism

1. Species - *Hyalella azteca*
2. Size - organisms will be less than 3mm total length at the start of the test.
3. Source - Test organisms will be obtained from ENSR's in-house culture or from a commercial supplier.
4. Feeding - *Hyalella azteca* will be fed 1.5 mL of a yeast-trout chow-Cerophyl suspension (YTC; USEPA 1989) per test chamber on a daily basis.

3.0 TEST SYSTEM

3.1 Overlying Water

The overlying water used in the toxicity test will be laboratory reconstituted water prepared to match the hardness and alkalinity ($\pm 15\%$) of site water.

3.2 Test Temperature

Test temperature will be $23 \pm 1^\circ\text{C}$. Testing will be conducted in a temperature-controlled water bath or environmental chamber.



ENSR Consulting and Engineering

ENSR Proj. # 8505-245
Prot. No.: HA1NJ.BSED
Effective 5/95
Page 3 of 5

3.3 Test Containers

Test containers will be 500-mL vessels containing approximately 100 mL of sediment and 175 mL of overlying water.

3.4 Photoperiod

The photoperiod will be 16 hours light and 8 hours dark.

3.5 Dissolved Oxygen Concentrations

Dissolved oxygen concentrations will be maintained >40 percent of saturation mg/L. If the dissolved oxygen concentration in the overlying water approaches this level, all test chambers will be gently aerated throughout the remainder of the test. If aeration is initiated, the aeration pipet will be appropriately positioned so as to avoid disturbance of the sediment.

4.0 TEST DESIGN

4.1 Test Treatments

The test treatment will be 100% sediment sample. A 100% control sediment (see section 4.3) exposure will be conducted concurrently.

4.2 Sediment/Water Mixture

On the day before test initiation, 100 mLs of the whole sediment sample will be placed into each test chamber. After addition of sediment, 175 mLs of laboratory reconstituted water (see Section 3.1) will be added to each test container, providing mixing of the top portion of the sediment with the overlying water. The test chambers will be left overnight to allow settling and thereby reduce turbidity prior to addition of test organisms.

4.3 Control Sediment

A laboratory control sediment will be tested concurrently.

4.4 Number of Test Organisms

Ten *Hyaella azteca* will be randomly assigned to each test chamber and eight replicates will be tested per treatment (sample).

4.5 Test Initiation/Renewal Frequency

Testing will be initiated by addition of the test organisms after the overnight settling period described in Section 4.2. Overlying water will be renewed (either continuously or intermittently) so that 1 to 2 volume additions will be achieved each day.

4.6 Chemical and Physical Monitoring

At a minimum, the following measurements will be made on overlying test waters:

- 1) Dissolved oxygen, temperature and pH will be measured in the overlying water of each treatment (sample) and the control each day of testing.
- 2) Hardness, alkalinity, conductivity, and ammonia will be measured in the laboratory reconstituted water (used as the overlying water) on day 0 (test initiation) and in the overlying water of each treatment (sample) and the control on day 3, day 6, and at test termination.

4.7 Biological Monitoring

After ten days of exposure, sediment from each test chamber will be removed and sieved or sorted to recover living test organisms. Organisms not recovered at test termination will be presumed dead.

4.8 Test Duration

The test duration is 10 days. At test termination, the surviving organisms in each test chamber will be counted and transferred to a tared weighing boat and dried at 100°C for a minimum of 2 hours. Immediately after removal from the drying oven, the weigh boats will be placed in a desiccator to prevent absorption of moisture from the air, until they can be weighed. Weights will be measured to the nearest 0.1 mg.

4.9 Calculations

Survival data will be transformed by arcsine squareroot. Growth in each replicate will be determined as the mean dry weight per surviving organism. Normality and homogeneity assumptions of survival and growth data will be evaluated by the Shapiro-Wilk's test and Bartlett's test, respectively ($p \leq 0.01$). If the data meet the assumptions, Dunnett's procedure will be used to compare control with treatment group survival and growth. If the data do not meet the assumptions, Steel's many-one rank test will be used for the comparisons.

4.10 Quality Criterion

The test will not be considered valid if control mortality exceeds 20 percent.

5.0 TEST REPORT

The report will be a typed document describing the results of the test and will be signed by the Study Director and Quality Assurance Unit. The report will include, but not be limited to the following:

- A copy of all raw data.
- Name of test, Study Director, and laboratory.
- A description of the experimental design and the test chambers, the number of test organisms, replicates per treatment, and the lighting.
- Test organism scientific name, age, and diet.
- A detailed description of the sediment, including its source, time of collection, composition, known physical or chemical properties, and any information that appears on the sample container or has been provided by the Sponsor.

- The source and characterization of the overlying water.
- A description of any aeration performed on test solutions.
- Percentage of test organisms that died in all treatments (samples).
- The minimum dissolved oxygen concentration, range in test temperature and pH, and all visual observations of test solutions.
- Any deviations from protocol.

6.0 LITERATURE CITED

ASTM. 1992. Standard Guide for Conducting Sediment Toxicity Tests with Freshwater Invertebrates. E13823-92. Annual Book of ASTM Standards, Volume 11.04, Section 11, Water and Environment Technology.

Ingersoll, G., J. Dwyer, P. Winger, A. Burton, G. Ankley, T. Norberg-King, B. Hoke, D. Bedard, K. Day, and P. Landrum. 1994. Standard Test Methods for Measuring the Toxicity of Sediment-Associated Contaminants with Freshwater Invertebrates. EPA 600.R-94/024.

USEPA. 1989. Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms. Second Edition. EPA/600/4-89/001.

7.0 PROCEDURAL COMPLIANCE

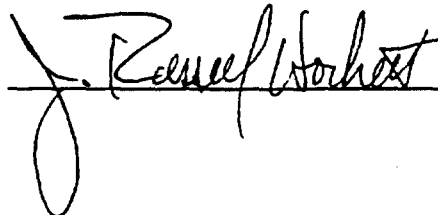
All test procedures, documentation, records, and reports will comply with USEPA (1989) general guidance on quality assurance related to effluent toxicity testing. To this end, random audits of the test may be scheduled while the test is in progress. The raw data will be checked and compared to protocol requirements and Standard Operating Procedures, and the final report will be audited for accuracy and signed, if satisfactory, by the Study Director and an individual from the Quality Assurance Unit.

8.0 PROTOCOL AMENDMENTS AND DEVIATIONS

All changes (i.e., amendments, deviations, and final report revisions) of the approved protocol plus the reasons for changes must be documented in writing. The changes will be signed and dated by the Study Director and maintained with the protocol.

9.0 STUDY DIRECTOR APPROVAL

Study Director:

 Date: 5/2/95

8505-245-220

APPENDIX C

TEST DATA

MAP 5-23-95
AB 5-23-95

TOXICITY DATA PACKAGE COVER SHEET

Test Type: Acute (SubChronic)
Test Substance: Effluent Other: Sediment
Project Number: 8505-245-220
Species: Hyaella azteca
Test Water: Receiving Receiving Match Effluent Match
Test Hard Hard Very Hard Other (Specify):
Organism Lot or Batch Number: 94-133
Size Age: <3mm (<3mm) Supplier: ENSR ARO
Test Water RW or ENSR #: 1761 / / /
Concurrent Control Water: RW #:
TL Sample Number: 7788 / 7790 / /
Sample Type: SEDIMENT / SOLS / /
Exposure Date and Time: From: 4/23/95 @ 1430 / 4/28/95 @ 1705 / @ / @
To: @ / @ / @ / @
Exposure and Time Test Began: 5/2/95 @ 1315
Date and Time Test Ended: 5/12/95 @ 1115
Protocol Number: HA 1 NLS, 3 SED
Investigator(s):

Background Information

Exposure of Test: Static - Renewal pH Control?: Yes No If Yes, give % CO₂:
Test Temperature: 23±1°C Env. Chamber/Bath #: 5 Test Chambers: 500-ml glass beakers
Test Solution Vol.: 100 mls Sediment / 175 mls Match Number of Replicates per Treatment: 8
Length of Test: 10 days Number of Organisms per Replicate: 10
Type of Food and Quantity per Chamber: YTCC 1.5 mls / Chamber Feeding Frequency: Daily
Test Substance Characterization Parameters and Frequency: Hardness: Day 0, 3, 6, 10 Alkalinity: Day 0, 3, 6, 10
pH: Day 0, 3, 6, 10 pH: Daily Conductivity: Day 0, 3, 6, 10 TRC: Initiation

Test Concentrations (Volume:Volume): Control, Upstream Sediment, Downstream Sediment
Toxicity Summary Sheet(s)?: None Yes (Specify):

Reference Toxicant Data: Test Dates: 12/1/94 to 12/2/94 LC₅₀ or IC₂₅ (Circle): 2863
95% Control Limits: 1120 to 4599 Method for Determining Ref. Tox. Value: SK

Test Procedures and Considerations:	UPSTREAM	DOWNSTREAM	AVERAGE
* H - 210	H - 214	H - 212	
* A - 124	A - 131	A - 127.5	

Study Director Initials: Map for JAH Date: 5-23-95

5/2/95 E
5/2/95 E
5/23/95 E

* H = hardness, mg/l as CaCO₃
A = alkalinity, mg/l as CaCO₃

877490091

ACUTE BIOLOGICAL DATA

ASP 5/23/95
 ABS/23/95

Project Number: 8505-245-220

Test Species (Circle): *C. dubia* *D. magna* *D. pulex* *P. promelas* *O. mykiss* (Other (Specify): H. azteca)

Conc.	Test Replicate	Day 10					Remarks
		0 Hours	24 Hours	48 Hours	72 Hours	96 Hours	
Control	A	10	10				
	B		8(1NF)				1 dead
	C		8(1NF)				1 dead
	D		8(2NF)				
	AE		9(1NF)				
	BF		9(1NF)				
	CG		7(3NF)				
	DH		6(4NF)				81%
Upstream	A	10	9(1NF)				
	B		10				
	C		10				
	D		9(1NF)				
	AE		9(1NF)				
	BF		8(2NF)				
	CG		9(1NF)				
	DH		9				1 dead 91%
Downstream	A	10	9(1NF)				
	B		8(2NF)				
	C		9(1NF)				
	D		8(1NF)				1 dead
	AE		10				
	BF		7(3NF)				
	CG		10				
	DH		9(1NF)				88%
	Date:	5/2/95	5/12/95				
	Time:	1315	1115				
	Initials:	LS	LS				

877490092

DAP 5-23-95

AB 5/23/95

ACUTE CHEMICAL DATA

Project Number: <u>8505-245-220</u>	Test Species (Circle): C. dubia D. magna D. pulex P. promelas O. mykiss <u>Other</u> (Specify): <u>H. azteca</u>
-------------------------------------	--

Conc.	Rep.	Dissolved Oxygen (mg/L)								Temperature (°C)								pH							
		0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7
		old New	Old	old New	Old	old New	Old	old New	Old	old New	Old	old New	Old	old New	Old	old New	Old	old New	Old	old New	Old	old New	Old	old New	Old
Cont	A	7.1								23								7.8							
	B		7.2								22								8.1						
	C			7.0								22								8.4					
	D				7.1								22								8.5				
	FE					7.2								22								8.5			
	FF						6.9								22								8.3		
	FG							7.0								22								8.3	
	HH								7.1								22								8.5
Upstream	A	6.9								23								8.4							
	B		7.0								22								8.8						
	C			6.8								22								8.6					
	D				7.0								22								8.6				
	FE					7.0								22								8.6			
	FF						6.8								22								8.5		
	FG							6.7								22								8.4	
	HH								6.8								22								8.4
Meter #		1	1	1	1	1	1	5	1	13	14	8	8	4	8	8	8	101	12	12	12	12	12	101	12
Date:		5/2/95	5/3/95	5/4/95	5/5/95	5/6/95	5/7/95	5/8/95	5/9/95	5/12/95	5/14/95	5/14/95	5/15/95	5/16/95	5/17/95	5/18/95	5/19/95	5/21/95	5/23/95	5/24/95	5/25/95	5/26/95	5/27/95	5/28/95	5/29/95
Time:		1220	1700	1610	1000	1700	1400	1100	0915	1225	1700	1610	1000	1700	1400	1100	0915	1220	1700	1610	1000	1700	1400	1100	0915
Initials:		AS	AS	AS	AS	MD	AS	AS	AS	AS	AS	AS	AS	MD	AS	AS	AS	AS	AS	AS	AS	MD	AS	AS	AS

877490093

DAP 5-23-95

AB 5/23/95

ACUTE CHEMICAL DATA

Project Number: 8505-245-220

Test Species (Circle): C. dubia D. magna D. pulex P. promelas O. mykiss Other (Specify): H. azteca

Conc.	Rep.	Dissolved Oxygen (mg/L)								Temperature (°C)								pH								
		0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	0	1	2	3	4	5	6	7	
		Old New	Old	Old New	Old	Old New	Old	Old New	Old	Old New	Old	Old New	Old	Old New	Old	Old New	Old	Old New	Old New	Old	Old New	Old	Old New	Old	Old New	Old
Downstream	A	7.0								23								8.4								
	B		7.0								22								8.7							
	C			6.7								22								8.5						
	D				6.9							22								8.5						
	FE					7.0							22								8.6					
	FF						6.7							22					11				8.2			
	FG							6.6							22								8.3			
	pH								6.8							22									8.4	
	A																									
	B																									
	C																									
	D																									
	A																									
	B																									
	C																									
	D																									
Meter#		1	1	1	1	1	1	5	1	13	14	8	8	8	8	8	8	101	12	12	12	12	12	101	12	
Date:		5/2/95	5/3/95	5/4/95	5/5/95	5/6/95	5/7/95	5/8/95	5/9/95	5/12/95	5/13/95	5/14/95	5/15/95	5/16/95	5/17/95	5/18/95	5/19/95	5/20/95	5/21/95	5/22/95	5/23/95	5/24/95	5/25/95	5/26/95	5/27/95	5/28/95
Time:		1220	1700	1610	1000	1700	1400	1100	0915	1225	1700	1610	1000	1700	1400	1100	0915	1220	1700	1610	1000	1700	1400	1100	0915	
Initials:		LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	LS	

877490094

dep 5-23-95

AB 5/23/95

ACUTE CHEMICAL DATA

Project Number: <u>8505-245-220</u>	Test Species (Circle): C. dubia D. magna D. pulex P. promelas O. mykiss <u>Other (Specify): H. azteca</u>
-------------------------------------	---

Conc.	Rep.	Dissolved Oxygen (mg/L)									Temperature (°C)									pH																				
		08			9			10			2			2			8			08			9			10			2			2			8			8		
		Old	New	Old	Old	New	Old	New	Old	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New					
Cont	A	7.1																																						
	B		6.8																																					
	C			6.6																																				
	D																																							
Upstream	A	6.9																																						
	B		6.8																																					
	C			6.5																																				
	D																																							
	AE																																							
	AF																																							
	AG																																							
	AH																																							
Meter #		5	5	5																																				
	Date:	5/10/95	5/11/95	5/12/95																																				
	Time:	1045	1000	1200																																				
	Initials:	KB	LS	LS																																				

877490095

QAP 5-23-95
 AB 5/23/95

ACUTE CHEMICAL DATA

Project Number: <u>8505-245-220</u>	Test Species (Circle): C. dubia D. magna D. pulex P. promelas O. mykiss <u>Other</u> (Specify): <u>H. azteca</u>
-------------------------------------	--

Conc.	Rep.	Dissolved Oxygen (mg/L)									Temperature (°C)									pH											
		8			9			10			7			8			9			10			7			8			9		
		old	Old	old	Old	Old	New	Old	New	Old	old	Old	old	Old	Old	New	Old	New	Old	old	Old	old	Old	Old	New	Old	New	Old			
Dewarstein	A	6.9									22									8.3											
	B		6.6									22									8.4										
	C			6.5									22									7.9									
	D																														
	KE																														
	KE																														
	KG																														
	KH																														
	A																														
	B																														
	C																														
	D																														
	A																														
	B																														
	C																														
	D																														
Meter #		5	5	5							8	8	8							101	101	13									
Date:		5/11/95	5/11/95	5/12/95							5/11/95	5/11/95	5/12/95							5/11/95	5/11/95	5/12/95									
Time:		1045	1000	1200							1045	1000	1200							1045	1000	1200									
Initials:		KB	W	W							KB	W	W							KB	W	W									

FQETL QA Form No. 056

Revision 1

Effective 2/93 *Rep 5/23/95**AB 5/23/95*

TEST MATERIAL CHARACTERIZATION

Project Number: <u>8505-245-220</u>	Test Species (Circle): C. dubia D. magna D. pulex P. promelas O. mykiss <u>Other</u> (Specify): <u>H. azteca</u>
-------------------------------------	--

Conc.	Conductivity ($\mu\text{S}/\text{cm}$)				Hardness (mg/L CaCO_3)				Alkalinity (mg/L CaCO_3)				TRC (mg/L)				NH_3 (mg/L)			
	0	13	26	110	0	13	26	110	0	13	26	110	0	1	2	3	0	13	26	110
Cont	639	667	608	650	202	216	⁰¹⁸⁸ 214	198	116	92	71	101	40.0				40.1	0.2	40.1	0.5
Upstream		659	634	642		214	190	206		132	110	122						40.1	40.1	40.1
Downstream		672	689	662		216	228	212		94	91	99						40.1	40.1	40.1
Meter#	3	3	3	3	Titr	Titr	Titr	Titr	Titr	Titr	Titr	Titr	9				2	2	2	2
Date:	5/2/95	5/6/95	5/8/95	5/12/95	5/2/95	5/5/95	5/8/95	5/12/95	5/2/95	5/5/95	5/8/95	5/12/95	5/2/95				5/2/95	5/6/95	5/8/95	5/12/95
Time:	1500	1100	1130	1200	1500	1100	1130	1215	1500	1100	1130	1215	1500				1500	1400	1330	1215
Initials:	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓

① 5/5/95 E

877490097

DAILY TOXICITY TEST LOG

OAP 5/23/95
 AB 5/23/95

Project Number: 8505-245-220

Test Species (Circle): C. dubia D. magna D. pulex P. promelas O. mykiss Other (Specify): H. azteca

General Comments		Feeding 1.5mls VTL Daily	Initials/Date
	C = control D = U = upstream		
Test Day 0	Test Solution Mixed at: Test Organisms Added at: Due to low D.O.'s prior to initiation, aeration was started @ 1000 CD = 3.5, UE = 4.5, DL = 4.2 Ended @ 1220	Fed during Initiation 1245-1315	LS 5/2/95
Test Day 0	Due to low D.O.'s at the end of the day, tests were re-created for the duration of the test. 5/2/95 @ 1645. CH = 4.5 U = 2.8 D = 3.8		
Test Day 1		Fed during renewal 1640-1700	LS 5/3/95
Test Day 2		Fed during renewal 1545-1615	LS 5/4/95
Test Day 3		Fed during renewal 0930-1000	LS 5/5/95
Test Day 4		Fed during renewal 1630-1700	MD 5/6/95
Test Day 5		Fed during renewal 1330-1400	MD 5/7/95
Test Day 6		Fed during renewal 1030-1100	LS 5/8/95
Test Day 7		Fed during renewal 0845-0915	LS 5/9/95
Test Day 8		FED DURING RENEWAL 1015-1045	KS 5/10/95

Day 9

Fed during
renewal
0930-1000
LS
5/11/95

Day 10

None
LS
5/12/95

877490098

Revision 3
Effective 01/94

04P 5/23/95
AB5/23/95

TEST ORGANISM LENGTHS, WEIGHTS, AND LOADING

Project Number: 8505-245-220				Test Substance: SEDIMENT				Comments:					
Species: HYALEM AZTECA				Analyst Tare: KB Analyst Gross: K									
Date/Time of Tare Wt.: 5/12/95 @ 1120				Date/Time of Gross Wt.: 5/15/95 @ 1130									
Boat No.	Treatment	Rep.	Length Units:	Weight Type (Circle): Wet Blot Dry <u>Dry (>100°C)</u>			AFDW (>500°C)			Lot or Batch Number: 94-133			
				Tare Weight (g)	Gross Weight (g)	Net Weight (g)	Adjusted Net Weight (g) ¹	No. of Orig. Organisms	Mean Wt. per Original Fish (mg)	Mean Wt. per Treatment (mg) (Original)	No. of Surv. Organisms	Mean Wt. per Surviving Fish (mg)	Mean Wt. per Treatment (mg) (Surviving)
1	CONTROL	A		1.3019	1.3038	0.0019		10	0.19		10	0.19	
2		B		1.2999	1.3004	0.0005		1	0.05		8	0.06	
3		C		1.3046	1.3060	0.0014			0.14		8	0.18	
4		D		1.3119	1.3131	0.0012			0.12		8	0.15	
5		E		1.3007	1.3019	0.0012			0.12		9	0.13	
6		F		1.3040	1.3047	0.0007			0.07		9	0.08	
7		G		1.3069	1.3077	0.0008			0.08		7	0.11	
8	✓	H		1.3109	1.3115	0.0006			0.06	0.10	6	0.10	0.12
9	URBEM	A		1.3010	1.3036	0.0026			0.26		9	0.29	
10		B		1.3005	1.3040	0.0035			0.35		10	0.35	
11		C		1.3016	1.3045	0.0029			0.29		10	0.29	
12	✓	D		1.3114	1.3134	0.002			0.20		9	0.22	
Blank				1.3045	1.3045	0							
Range													
Mean													
Test Solution Volume:							Loading Rate:						

¹ Add in weight loss of blank boat, if appropriate.

TEST ORGANISM LENGTHS, WEIGHTS, AND LOADING

QAP 5/23/95
AB 5/23/95

Project Number: 8505-245-220				Test Substance: SEDIMENT						Comments:				
Species: HYALINAZTECA				Analyst Tare: KB		Analyst Gross: 55								
Date/Time of Tare Wt.: 5/12/95 @ 1120				Date/Time of Gross Wt.: 5/15/95 @ 1130										
Boat No.	Treatment	Rep.	Length Units:	Weight Type (Circle): Wet Blot Dry Dry (>100°C) AFDW (>500°C)							Lot or Batch Number: 94-133			
				Tare Weight (g)	Gross Weight (g)	Net Weight (g)	Adjusted Net Weight (g) ¹	No. of Orig. Organisms	Mean Wt. per Original Fish (mg)	Mean Wt. per Treatment (mg) (Original)	No. of Surv. Organisms	Mean Wt. per Surviving Fish (mg)	Mean Wt. per Treatment (mg) (Surviving)	
13	UPSTREAM	E		1.3149	1.3177	0.0028		10	0.28			9	0.31	
214		F		1.2644	1.2666	0.0022		1	0.22			8	0.28	
215		G		1.3132	1.3165	0.0033		1	0.33			9	0.37	
216	✓	H		1.2669	1.2692	0.0023		1	0.23	0.27		9	0.26	0.30
217	DOWNSTREAM	A		1.3181	1.3195	0.0014		1	0.14			9	0.16	
218		B		1.3172	1.3190	0.0018		1	0.18			8	0.22	
217		C		1.3165	1.3179	0.0014		1	0.14			9	0.16	
220		D		1.3160	1.3173	0.0013		1	0.13			8	0.16	
221		E		1.3115	1.3135	0.002		1	0.2			10	0.20	
222		F		1.3154	1.3163	0.0009		1	0.09			7	0.13	
223		G		1.3141	1.3163	0.0022		1	0.22			10	0.22	
224	✓	H		1.3149	1.3161	0.0012		1	0.12	0.15		9	0.13	0.17
Blank														
Range														
Mean														
Test Solution Volume:							Loading Rate:							

¹ Add in weight loss of blank boat, if appropriate.

8505-245-220

Study Title

Acute Toxicity of Whole Sediment from the Saddle Brook River
to *Daphnia magna* Under Static Test Conditions.

Author

Karen A. Barten

Study Period

Start: May 4, 1995

End: May 6, 1995

Performing Laboratory

ENSR Consulting and Engineering
Fort Collins Environmental Toxicology Laboratory
4413 West LaPorte Avenue
Fort Collins, CO 80521

Telephone:(970)416-0916

FAX: (970)493-8935

Laboratory Project ID

8505-245-220

877490101

STATEMENT OF PROCEDURAL COMPLIANCE

I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge, accurate and complete.

David A. Pullard for J.R.H.
J. Russell Hockett
Study Director

5-23-95
Date

STATEMENT OF QUALITY ASSURANCE

The test data were reviewed by the Quality Assurance Unit to assure that the study was performed in accordance with the protocol and standard operating procedures. This report is an accurate reflection of the raw data.

Quita Zarke
Quality Assurance Unit

May 23, 1995
Date

SUMMARY

Sponsor	ENSR - Piscataway
Project Officer	Art Goeller
Study Director	J. Russell Hockett (970) 416-0916
Test Facility	ENSR Consulting and Engineering 4413 West LaPorte Avenue Fort Collins, Colorado 80521
Location of Data	Data Records and Storage 328 Link Lane #4 Fort Collins, Colorado 80524
Test Substance	Whole Sediment
Subject	48-Hour Static Toxicity Test
Test Dates	May 4, 1995 to May 6, 1995
Length of Study	48 Hours
Test Species	<i>Daphnia magna</i>
Source of Organisms	ENSR In-House Culture
Age of Test Organisms	< 24 Hours
Test Concentrations	Control and 100%
Control Sediment	Florissant Reference Soil
Overlying Water	Site Water Match
Results	Treatments with significantly reduced survival compared to the control: None

1.0 INTRODUCTION

Study Sponsor	ENSR - Piscataway
Client	Napp
Site Water	Saddle Brook River
Testing Laboratory	ENSR/FCETL

2.0 DESCRIPTION OF SEDIMENT AND CONTROL SUBSTANCES

2.1 Test Substance

Two whole sediment samples were used for testing; the samples were collected and labeled as follows (see Appendix A for chain of custody records):

Whole Sediment Sample	Collection Date and Time	ENSR Sample #
SED-UP	4/28/95 at 1430	7788
SED-DOWN	4/28/95 at 1705	7790

All sediment from each site was mechanically homogenized prior to use in testing (ENSR SOP #5208).

2.2 Control Sediment

A control sediment (Florissant reference soil provided by USFWS-NFCRC in Columbia, Missouri) was tested concurrently.

2.3 Overlying Water

The overlying test water was laboratory reconstituted water prepared to match the average hardness and alkalinity ($\pm 15\%$) of the two site water samples (hardness of 212 mg/L CaCO_3 and alkalinity of 128 mg/L CaCO_3). Initial characterization of overlying test water was as follows:

Batch/Sample #	Hardness (mg/L) ¹	Alkalinity (mg/L) ¹	Conductivity ($\mu\text{S}/\text{cm}$)	Ammonia (mg/L N)
1761	202	116	639	<0.1

¹As CaCO_3 .

3.0 TEST CONDITIONS

3.1 Test Method

The study was a 48-hour static acute test using *Daphnia magna*, and was conducted following ASTM (1992) guidelines and procedures described by USEPA (1994). The biological response measured was death (defined as no visible movement nor any response to gentle prodding with a blunt probe). The complete test protocol is included as Appendix B.

3.2 Test Duration

Test duration was 48 hours, beginning at 1530 on May 4, 1995 and ending at 1530 on May 6, 1995.

3.3 Test Apparatus

Test chambers were 100-mL glass beakers containing 10 mL of test sediment and 40 mL of overlying water. Sediment was first added to the beakers followed by the overlying water; sediment was allowed to settle overnight. At test initiation, five *Daphnia magna* were randomly assigned to each test chamber, and eight replicate chambers were tested per treatment (40 organisms per treatment). *Daphnia magna* were exposed to 100 percent test sediment and a control. All test chambers were held in an environmental chamber under fluorescent lighting with a photoperiod of 16 hours light: 8 hours dark; target test temperature was $20 \pm 1^\circ\text{C}$.

3.4 Feeding

Test organisms were not fed during the test.

3.5 Aeration

Because *Daphnia magna* tend to remain at the surface of the test solution, rather than bubbling air into the test chambers, an alternative form of aeration was needed to maintain dissolved oxygen concentrations greater than 40 percent of saturation. Prior to test initiation, test chambers were placed in a sealed glass box which was then injected with 100% oxygen; after a minimum of 30 minutes, test chambers were removed and test organisms were added. Test chambers were then returned to the glass box and the box was re-injected with oxygen. The box was also re-injected with oxygen after biological readings on the first day of testing.

4.0 TEST ORGANISMS

Test organisms were *Daphnia magna* obtained from the ENSR/FCETL in-house culture (FCETL batch #050395). At test initiation, the test organisms were less than 24 hours old and appeared to be in good physical condition. Test organisms were transferred directly from culture water (at the test temperature) into test chambers without additional acclimation.

5.0 QUALITY ASSURANCE

The most recent reference toxicant test using *Daphnia magna* from the ENSR/FCETL in-house culture was initiated May 2, 1995. Sodium chloride was used as the reference toxicant with moderately hard reconstituted water as the dilution water

6.0 RESULTS

6.1 Biological Data

Survival of test organisms after 48 hours is provided in the following table.

Treatment	Percent Survival
Control	100
SED-UP	100
SED-DOWN	100

6.2 Data Analysis

All data analyses were performed by inspection because percent survival in all test treatments was 100 percent.

6.3 Test Endpoints

Endpoint	Treatment Site(s)
Significantly Reduced Survival	None

6.4 Physical and Chemical Data

Throughout the test, all water quality parameters remained within acceptable limits (Appendix C). Dissolved oxygen concentrations were ≥ 5.1 mg/L (68 percent of saturation at 5,200 feet elevation above sea level). Test temperature was maintained at $20 \pm 1^\circ\text{C}$, and pH ranged from 7.7 to 8.5. The following two tables summarize physical and chemical data for overlying water from the control and each sediment sample. See Appendix C for all water quality measurements.

Treatment	pH (units)		DO (mg/L)		Conductivity (μ S/cm)		Temperature ($^{\circ}$ C)	
	High	Low	High	Low	High	Low	High	Low
Control	7.8	7.7	7.5	7.0	690	639	21	20
SED-UP	8.5	7.7	7.0	5.1	738	—	21	20
SED-DOWN	8.4	7.8	7.0	6.6	715	—	21	20

Treatment	Hardness (mg/L CaCO ₃)	Alkalinity (mg/L CaCO ₃)	Ammonia (mg/L N)
	Day 2	Day 2	Day 2
Control	240	40	<0.1
SED-UP	240	165	<0.1
SED-DOWN	234	110	<0.1

6.5 Reference Toxicant Test Results

Reference toxicant test results are summarized in the following table.

LC ₅₀	ENSR/FCETL Historical 95% Control Limits	
	Low	High
3323	2796	3663

Note: Values expressed as mg/L chloride.

7.0 PROTOCOL DEVIATIONS

To the best of Study Director's knowledge, no deviations from test protocol (Appendix B) occurred during the study.

8.0 LITERATURE CITED

ASTM. 1992. Standard Guide for Conducting Sediment Toxicity Tests with Freshwater Invertebrates. Method E-13823-92. 1992 Annual Book of ASTM Standards. Vol. 11.04, Section 11, Water and Environmental Technology.

USEPA. 1994. Methods for Measuring the Toxicity and Bioaccumulation of Sediment-Associated Contaminants with Freshwater Invertebrates. EPA/600/R-94/024.

8505-245-220

APPENDIX A
CHAIN OF CUSTODY RECORDS

ENVR FH Collins

Edison, New Jersey 08817

Phone: (908) 549-3900 Fax: (908) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

PAGE 1 OF 1

[illegible]

Special Instructions:

Water Metals Filtered (Yes/No)?

Relinquished by	Company	Date / Time	Received by	Company
1) <i>Kerry Sullivan</i>	<i>TOFEDEX</i> <i>ENSR</i>	<i>4/29/95 11:17:45</i>	1) <i>Mark Bary</i> <i>4/29/95 1220</i>	<i>ENSR/FCITL</i>
2)			2)	
3)			3)	

All sample
on inc@y

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8505-245-220

APPENDIX B
TEST PROTOCOL



ENSR Consulting and Engineering

ENSR Proj. # 8505-245
Prot. No.: DMNJ.BSED
Effective 5/95
Page 1 of 5

Title: Acute Toxicity of Whole Sediment from Saddle River to *Daphnia magna*.

Testing Facility: ENSR Consulting and Engineering
Fort Collins Environmental Toxicology Laboratory
4413 West LaPorte Avenue
Fort Collins, Colorado 80521
(303) 416-0916
Study Director: J. Russell Hockett

877490112

1.0 INTRODUCTION

1.1 Objective

To determine the acute toxicity of Saddle River sediment to *Daphnia magna*.

1.2 Test Material

Sediment samples will be collected and shipped to ENSR's Fort Collins Laboratory. At the laboratory, samples will be stored under refrigeration (4°C) until used in testing. Prior to testing, the sediment from each replicate sample will be separately homogenized following ENSR SOP #5208. Endemic organisms observed in the sediment samples will be removed manually.

2.0 MATERIALS AND METHODS

2.1 Basis

This protocol is patterned after procedures described in ASTM Method E1383-92 (ASTM 1992) and Ingersoll et al. (1994).

2.2 Test Organism

1. Species - *Daphnia magna*
2. Age - organisms will be less than one day old at the start of the test.
3. Source - Test organisms will be obtained from ENSR's in-house culture.
4. Feeding - organisms will not be fed during testing .

3.0 TEST SYSTEM

3.1 Overlying Water

The overlying water used in the toxicity test will be laboratory reconstituted water prepared to match the hardness and alkalinity ($\pm 15\%$) of site water.

3.2 Test Temperature

Test temperature will be $20 \pm 1^\circ\text{C}$. Testing will be conducted in a temperature-controlled water bath or environmental chamber.

3.3 Test Containers

Test containers will be 100-mL vessels containing approximately 10 mL of sediment and 40 mL of overlying water.

3.4 Photoperiod

The photoperiod will be 16 hours light and 8 hours dark.

3.5 Dissolved Oxygen Concentrations

Dissolved oxygen concentrations will be maintained >40 percent of saturation mg/L. If the dissolved oxygen concentration in the overlying water approaches this level, all test chambers will be gently aerated throughout the remainder of the test. If aeration is initiated, the aeration pipet will be appropriately positioned so as to avoid disturbance of the sediment.

4.0 TEST DESIGN

4.1 Test Treatments

The test treatment will be 100% sediment sample. A 100% control sediment (see section 4.3) exposure will be conducted concurrently.

4.2 Sediment/Water Mixture

On the day before test initiation, 10 mLs of the whole sediment sample will be placed into each test chamber. After addition of sediment, 40 mLs of laboratory reconstituted water (see Section 3.1) will be added to each test container, providing mixing of the top portion of the sediment with the overlying water. The test chambers will be left overnight to allow settling and thereby reduce turbidity prior to addition of test organisms.

4.3 Control Sediment

A laboratory control sediment will be tested concurrently.

4.4 Number of Test Organisms

Five *Daphnia magna* will be randomly assigned to each test chamber and eight replicates will be tested per treatment (sample).

4.5 Test Initiation/Renewal Frequency

Testing will be initiated by addition of the test organisms after the overnight settling period described in Section 4.2. Overlying water will not be renewed during testing.

4.6 Chemical and Physical Monitoring

At a minimum, the following measurements will be made on overlying test waters:

- 1) Dissolved oxygen, temperature and pH will be measured in the overlying water of each treatment (sample) and the control each day of testing.
- 2) Hardness, alkalinity, conductivity, and ammonia will be measured in the laboratory reconstituted water (used as the overlying water) on day 0 (test initiation) and in the overlying water of each treatment at test termination.

4.7 Biological Monitoring

On test days one and two, the number of live organisms will be counted in each test chamber.

4.8 Test Duration

The test duration is 48 hours.

4.9 Calculations

Final survival data will be transformed by arcsine squareroot. Normality and homogeneity assumptions of survival and growth data will be evaluated by the Shapiro-Wilk's test and Bartlett's test, respectively ($p \leq 0.01$). If the data meet the assumptions, Dunnett's procedure will be used to compare control with treatment group survival. If the data do not meet the assumptions, Steel's many-one rank test will be used for the comparisons.

4.10 Quality Criterion

The test will not be considered valid if control mortality exceeds 10 percent.

5.0 TEST REPORT

The report will be a typed document describing the results of the test and will be signed by the Study Director and Quality Assurance Unit. The report will include, but not be limited to the following:

- A copy of all raw data.
- Name of test, Study Director, and laboratory.
- A description of the experimental design and the test chambers, the number of test organisms, replicates per treatment, and the lighting.
- Test organism scientific name, age, and diet.
- A detailed description of the sediment, including its source, time of collection, composition, known physical or chemical properties, and any information that appears on the sample container or has been provided by the Sponsor.
- The source and characterization of the overlying water.
- A description of any aeration performed on test solutions.
- Percentage of test organisms that died in all treatments (samples).
- The minimum dissolved oxygen concentration, range in test temperature and pH, and all visual observations of test solutions.
- Any deviations from protocol.

6.0 LITERATURE CITED

ASTM. 1992. Standard Guide for Conducting Sediment Toxicity Tests with Freshwater Invertebrates. E13823-92. Annual Book of ASTM Standards, Volume 11.04, Section 11, Water and Environment Technology.

Ingersoll, G., J. Dwyer, P. Winger, A. Burton, G. Ankley, T. Norberg-King, B. Hoke, D. Bedard, K. Day, and P. Landrum. 1994. Standard Test Methods for Measuring the Toxicity of Sediment-Associated Contaminants with Freshwater Invertebrates. EPA 600.R-94/024.

7.0 PROCEDURAL COMPLIANCE

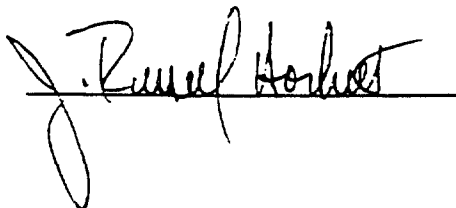
All test procedures, documentation, records, and reports will comply with USEPA (1989) general guidance on quality assurance related to effluent toxicity testing. To this end, random audits of the test may be scheduled while the test is in progress. The raw data will be checked and compared to protocol requirements and Standard Operating Procedures, and the final report will be audited for accuracy and signed, if satisfactory, by the Study Director and an individual from the Quality Assurance Unit.

8.0 PROTOCOL AMENDMENTS AND DEVIATIONS

All changes (i.e., amendments, deviations, and final report revisions) of the approved protocol plus the reasons for changes must be documented in writing. The changes will be signed and dated by the Study Director and maintained with the protocol.

9.0 STUDY DIRECTOR APPROVAL

Study Director:

 Date: 5/2/95

8505-245-220

APPENDIX C

TEST DATA

TOXICITY DATA PACKAGE COVER SHEET

ASP 5-23-95
AB5-23-95

Test Type: Acute (Sub)Chronic
Test Substance: Effluent Other: Sediment
Project Number: 8505-245-220
Species: Daphnia magna
Dilution Water: Receiving Receiving Match Effluent Match
Mod.: Hard Hard Very Hard Other (Specify):
Dilution Water RW# or ENSR#: 1761 / / /
Concurrent Control Water: RW#: NA
FCETL Sample Number: 7788 / 7790 / /
Sample Type: SFD / SED / /
Collection Date and Time: From: 4/28/95 @ 1430 / 4/28/95 @ 1745 / / @ / / @
To: @ / / @ / / @ / / @
Date and Time Test Began: 5/4/95 @ 1530
Date and Time Test Ended: 5/6/95 @ 1530
Protocol Number: DMN3.35ED
Investigator(s): CS

Background Information

Type of Test: Static pH Control?: Yes No If Yes, give % CO₂:
Test Temperature: 20±1°C Env. Chmbr/Bath #: 24 Test Chambers: 100-ml glass beakers
Test Solution Vol.: 40ml Meth 10ml Sediment Number of Replicates per Treatment: 8
Length of Test: 48hrs Number of Organisms per Replicate: 5
Type of Food and Quantity per Chamber: None Feeding Frequency: None
Test Substance Characterization Parameters and Frequency: Hardness: day 0, 2 Alkalinity: day 0, 2
H₂: Day 0, 2 pH: Daily Conductivity: Day 0, 2 TRC: Initiation

Test Concentrations (Volume:Volume): Control, Upstream Sediment, Downstream Sediment
Agency Summary Sheet(s): None Yes (Specify):

Reference Toxicant Data: Test Dates: 5/2/95 to 5/3/95 (LC₅₀) or IC₂₅ (Circle): 3323
List. 95% Control Limits: 2796 to 3663 Method for Determining Ref. Tox. Value: Binomial

Special Procedures and Considerations: RECEIVING WATER

	UPSTREAM	DOWNSTREAM	AVERAGE
* H -	210	214	212
* A -	124	131	127.5

Study Director Initials: ASP for JRH Date: 5-23-95

* H = hardness, mg/l as CaCO₃
A = alkalinity, mg/l as CaCO₃ AB 5/23/95

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ACUTE BIOLOGICAL DATA

Project Number: <u>8505-245-220</u>							
Test Species (Circle): <u>C. dubia</u> <u>D. magna</u> <u>D. pulex</u> <u>P. promelas</u> <u>O. mykiss</u> Other (Specify):							
Conc.	Test Replicate	Number of Surviving Organisms					Remarks
		0 Hours	24 Hours	48 Hours	72 Hours	96 Hours	
Control	A	5	5	5			
	B	1	1	1			
	C	1	1	1			
	D	1	1	1			
	AE	1	1	1			
	BF	1	1	1			
	CG	1	1	1			
	DH	1	1	1			
Upstream	A	5	5	5			
	B	1	1	1			
	C	1	1	1			
	D	1	1	1			
	AE	1	1	1			
	BF	1	1	1			
	CG	1	1	1			
	DH	1	1	1			
Downstream	A	5	5	5			
	B	1	1	1			
	C	1	1	1			
	D	1	1	1			
	AE	1	1	1			
	BF	1	1	1			
	CG	1	1	1			
	DH	1	1	1			
Date:	5/4/95	5/5/95	5/6/95				
Time:	1530	1045	1530				
Initials:	W	LS	TRG				

FCETL QA Form No. 053

Revision: 1

Effective 2/93

ASP 5-23-95
AB5-23-95

ACUTE CHEMICAL DATA

Project Number: 8505-245-220

Test Species (Circle): C. dubia D. magna D. pulex P. promelas O. mykiss Other (Specify):

Conc.	Rep.	Dissolved Oxygen (mg/L)										Temperature (°C)										pH									
		0		1		2		3		4		0		1		2		3		4		0		1		2		3		4	
		Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New		
Cont	A	7.0										21										7.8									
	B		7.2										20										7.7								
	C			7.5										20										7.7							
	D																														
Upstream	A	7.3										20										7.7									
	B		7.5										20										7.7								
	C																														
	D																														
Upstream	A	7.0										21										8.5									
	B		5.5	6.2									20										7.7								
	C			6.1																				8.0							
	D																														
Upstream	A	5.1										20										7.7									
	B		6.1																				8.0								
	C																														
	D																														
Meter #	1	1	1								8	8	8									12	12	12							
	5/4/95	5/5/95	5/6/95								5/4/95	5/5/95	5/6/95									5/4/95	5/5/95	5/6/95							
	1510	1050	1530								1510	1050	1530									1510	1050	1530							
	LS	LS	TS								LS	LS	TS									LS	LS	TS							

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(1) 55 5/1/95 1.10

DAP 5-23-95
 AB 5-23-95

ACUTE CHEMICAL DATA

Project Number: <u>8505-245-220</u>	Test Species (Circle): C. dubia <u>D. magna</u> D. pulex P. promelas O. mykiss Other (Specify):
-------------------------------------	---

Conc.	Rep.	Dissolved Oxygen (mg/L)								Temperature (°C)								pH									
		0		1		2		3		4		0		1		2		3		4							
		Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	New						
Downstream	A	7.0									21									8.4							
	B		6.6									20									7.8						
	C			7.0									20									8.0					
	D																										
	XE		6.6									20									7.8						
	XF			7.0									20									8.0					
	YG																										
	DH																										
	A																										
	B																										
	C																										
	D																										
	A																										
	B																										
	C																										
	D																										
Meter #		1	1	1							8	8	9							12	12	17					
Date:		5/4/95	5/5/95	5/6/95							5/4/95	5/5/95	5/6/95							5/4/95	5/5/95	5/6/95					
Time:		1518	1050	1530							1510	1050	1530							1510	1050	1530					
Initials:		✓	✓	TC							✓	✓	TC							✓	✓	TC					

877490121

DAP 5-23-95
AB 5-23-95

TEST MATERIAL CHARACTERIZATION

Project Number: <u>8505-245-220</u>	Test Species (Circle): <i>C. dubia</i> <u><i>D. magna</i></u> <i>D. pulex</i> <i>P. promelas</i> <i>O. mykiss</i> Other (Specify):
-------------------------------------	--

Conc.	Conductivity ($\mu\text{S}/\text{cm}$)				Hardness (mg/L CaCO_3)				Alkalinity (mg/L CaCO_3)				TRC (mg/L)				NH_3 (mg/L)			
	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3	0	1	2	3
Control	639		690		206		240		116		40		20.01		20.01		20.1		20.1	
Upstream			738				240				165				20.01				20.1	
Downstream			715				234				110				20.01				20.1	
Meter#	3		3		Titr		Titr		Titr		Titr		9		9		2		2	
Date:	5/4/95		5/6/95		5/4/95		5/6/95		5/4/95		5/6/95		5/4/95		5/6/95		5/4/95		5/6/95	
Time:	1440		1550		1440		1605		1440		1605		1440		1550		1440		1550	
Initials:	✓		TDG		✓		TDG		✓		TDG		✓		TDG		✓		TDG	

877490122

OSP 5-23-95
 ABS-23-95

DAILY TOXICITY TEST LOG

Project Number: 8905-245-720

Test Species (Circle): C. dubia J. magna D. pulex P. promelas O. mykiss Other (Specify):

General Comments		Feeding	Initials/Date
		None	
Test Day 0	Test Solution Mixed at: Test Organisms Added at: Injected w/ 100% O ₂ for 10 sec. prior to initiation (G) 5/4/95 After initiation test chambers were re-aerated w/ 100% O ₂ for 10 sec.	None	ES 5/4/95
Test Day 1	Injected w/ 100% O ₂ after reading the test 5/4/95 ES	None	ES 5/5/95
Test Day 2		NONE	TDG 5/6/95
Test Day 3			
Test Day 4			
Test Day 5			
Test Day 6			
Test Day 7			
Test Day 8			

5/5/95 E

877490123

NOTICE ABOUT OVERSIZED MAP

THIS MAP CAN BE FOUND IN THE SITE FILE LOCATED AT: U.S. EPA SUPERFUND RECORDS CENTER, 290 BROADWAY, 18TH FLOOR, NY, NY 10007. TO MAKE AN APPOINTMENT TO VIEW THE MATERIAL PLEASE CONTACT THE RECORD CENTER AT (212) 637-4308.

NO.	DATE	REVISIONS	BY	CH'KD	APP'VD
ENSR					
ENSR CONSULTING, ENGINEERING, AND REMEDIATION					
NAPP TECHNOLOGIES INC., N.J.					
MONITORING WELL DATA SUMMARY OF DETECTED COMPOUNDS					
DRAWN: WLH		DATE: 2/96		FIGURE NUMBER 7-1	
SCALE: 1" = 20'		PROJECT NUMBER 9500-196-10A		DRAWING NUMBER 950010DA	

877490124

NOTICE ABOUT OVERSIZED MAP

THIS MAP CAN BE FOUND IN THE SITE FILE LOCATED AT: U.S. EPA SUPERFUND RECORDS CENTER, 290 BROADWAY, 18TH FLOOR, NY, NY 10007. TO MAKE AN APPOINTMENT TO VIEW THE MATERIAL PLEASE CONTACT THE RECORD CENTER AT (212) 637-4308.

NO.	DATE	REVISIONS	BY	CH'KD	APP'VD
ENSR					
ENSR CONSULTING, ENGINEERING, AND REMEDIATION					
NAPP TECHNOLOGIES INC., LODI, N.J.					
OFF-SITE SOIL SAMPLE LOCATIONS SUMMARY OF DETECTED COMPOUNDS					
DRAWN: WLH		DATE: 2/98		FIGURE NUMBER 7-2	
SCALE: 1"=30'		PROJECT NUMBER 9500-198-10A		DRAWING NUMBER 9500-12D	

877490125

NOTICE ABOUT OVERSIZED MAP

THIS MAP CAN BE FOUND IN THE SITE FILE LOCATED AT: U.S. EPA SUPERFUND RECORDS CENTER, 290 BROADWAY, 18TH FLOOR, NY, NY 10007. TO MAKE AN APPOINTMENT TO VIEW THE MATERIAL PLEASE CONTACT THE RECORD CENTER AT (212) 637-4308.

NO.	DATE	REVISIONS	BY	CHKD	APP'D
ENSR					
ENSR CONSULTING, ENGINEERING, AND REMEDIATION					
NAPP TECHNOLOGIES INC., LODI, N.J.					
River Water Sediment Sample Locations Summary of Detected Compounds					
DRAWN: WLH		DATE: 2/98		FIGURE NUMBER 7-3	
SCALE: 1" = 20'		PROJECT NUMBER 9500-196-10A		DRAWING NUMBER 950014DA	

877490126

877490127

877490128

ATTACHMENT 9E

Description of Discharge and Response/Resolution

September 25, 1990 Letter

Waste Disposal Documentation

877490129

ATTACHMENT 9E

9(E). Provide a description of the discharge and the response and resolution.

- A phenol leak occurred at the facility on March 26, 1986. Approximately 5 to 10 gallons of phenol flowed out of a fitting on top of the phenol tank into the containment basin. A small quantity sprayed into the air and onto the asphalt pavement surrounding the dike. Napp notified NJDEP and the Borough of Lodi regarding the incident. The material was cleaned up and no regulatory action was required.
- In 1987, Napp discovered the presence of PCBs in the soil during pipeline modification in the P&B Area. Although Napp had no knowledge of any release from its operations, it took responsibility for the remediation of the soil. The remediation was completed to EPA's satisfaction. See attached September 25, 1990 letter.
- Napp notified NJDEP in 1993 of an historic discharge. In connection with construction activities, excavated soils appeared to contain a non-soil component that exhibited a magnetic quality. Conversations with long-term employees revealed that a predecessor site owner may have used iron as a catalyst in its manufacturing operations. Napp properly characterized and disposed of the excavated soil.
- On April 21, 1995, an industrial accident at the site resulted in a fire and explosion, destroying a portion of the site and causing the plant operations to be permanently discontinued. Napp immediately initiated emergency response procedures, and is currently in the process of closing the site under ISRA. Activities conducted to-date include:
 - Immediate remedial cleanup of the explosion area including the removal of all reactive and hazardous materials.
 - Construction of a perimeter berm to prevent off-site migration of contaminants.
 - Regulatory interface with the NJDEP, U.S. Department of Labor (OSHA), USEPA, county and city agencies.
 - Performance of sampling activities to determine the short term impact the fire and explosion had on the environment and the characterization of waste materials and chemicals for disposal purposes. These sampling activities included a bioassay of sediments in a nearby stream, and collection of surface water, soil, ground water, and waste material.
 - Characterization, segregation, and removal of various chemicals, products, and waste from the site.
 - Cleaning of all manufacturing reactors and associated lines.
 - Removal of product ASTs followed by cleaning with high pressure water.
 - Containment, sampling, and disposal of all run-off rain waters and decontamination rinseate.
 - Sampling, transportation, and disposal of all generated waste streams.

As requested by NJDEP, waste disposal documentation is provided as an additional attachment under separate cover.

877490130

RECEIVED
MAR 1 1992
OWENSTEIN SANDLER

8

September 25, 1990

Ms. Amy Brochu
U.S. Environmental Protection Agency
Region 2
Edison, New Jersey 08817

Re: Letter Report for Napp Chemicals Inc., EPA ID No. NJD001315282

Dear Amy:

After review of the available background information for the Environmental Priorities Initiative (EPI) PA, Napp Chemicals Inc., a recommendation of **NO FURTHER REMEDIAL ACTION PLANNED (NFRAP)** is proposed. Napp Chemicals is located at 199 Main Street, Lodi, Bergen County, New Jersey. This PA is authorized under TDD No. 02-9005-20. The recommendation is based on the following findings:

- On November 5, 1981, a RCRA Inspection was conducted. The inspection reported administrative violations and an unlabeled drum on site.
- On July 8, 1982, Napp Chemicals requested to withdraw its permit application and terminate its interim status as a hazardous waste facility as it would no longer operate as a treatment, storage or disposal facility (TSDF). Plant effluent is discharged under permit to the Passaic Valley Sewage Commission public treatment works. Solid waste from this facility is disposed of within 90 days at a facility licensed for hazardous waste disposal.
- On May 31, 1984 Napp Chemicals' SO1 storage activity was delisted by U.S. EPA Region 2 since wastes are disposed of within 90 days. T01 to T04 tank treatment was delisted because of the RCRA elementary neutralization exemption. The New Jersey Department of Environmental Protection (NJDEP), Bureau of Hazardous Waste Engineering does not recognize the RCRA exemption. The facility was referred to NJDEP, Division of Water Resources for evaluation as an industrial waste management facility (IWMF).
- On July 25, 1986, the NJDEP determined that Napp Chemicals should be regulated under the New Jersey Water Pollution Control Act (NJWPCA). Since Napp Chemicals pretreats its waste, it is classified as an IWMF. The waste treatment also qualifies as an "elementary neutralization unit," since the facility neutralizes all corrosive hazardous wastes and is regulated under the scope of the NJWPCA. Napp, as an IWMF, is not required to obtain a New Jersey Pollution Discharge Elimination System/Significant Individual User (NJPDES/SIU) permit.
- On September 24, 1987, Napp received sampling results from soil samples collected under an existing floor slab that were collected during pipeline modification. The composite soil samples revealed the presence of polychlorinated biphenyls (PCBs). The management has no knowledge or information that PCBs were ever used at the facility. However, transformers owned by the Public Service Electric & Gas Company are approximately 15 to 20 ft from the area of contaminated soil and may have been the source of the contamination.

Ms. Amy Brochu
U.S. Environmental Protection Agency
September 25, 1990 - Page Two

T

- Napp Chemicals was unable to determine the source of the PCB contamination. The company took the responsibility for the remediation of the contaminated soil. Two manifested shipments of contaminated soil dated September 29, 1988 and January 31, 1990 were disposed of off site. The excavation was back filled and an impermeable concrete surface was placed over the excavation.
- On September 27 and 29, 1988, Napp Chemicals was cited for a number of administrative violations regarding health and safety. These violations were again noted on October 19, 1989. The company shortly after complied and no further action was recommended.

↓

Groundwater in the area is used as a source of potable water and lawn irrigation. The closest well is located in Lakewood Cemetery, Saddle Brook approximately 0.75 mile north of the facility. A population of 700 people is served by domestic wells; however, access to the public supply system is available. The Saddle River is located 200 feet west of the facility. The river is classified for primary and secondary contact recreation use. There is no intake for potable supply or irrigation use within 3 miles downstream of the site. There is no freshwater or coastal wetland greater than 5 acres in area located within 2 miles downstream of the site.

T

The NFRAP recommendation is based on the facts that there are no reports of any miscellaneous spills or dumping of hazardous wastes at the Napp Chemicals Lodi facility and that PCB-contaminated soils have been removed and disposed of off site. In addition, the masonry floor under which the PCBs were detected has been replaced with an impermeable concrete slab. Consequently, there is no significant threat to the groundwater or surface water potable supplies and the environment.

↓

If you have any questions, please feel free to contact me.

Very truly yours,


Jennifer Leahy

Reviewed and Approved:



JL/bgp

Attachment

Napp Technologies, Inc.

Lodi, New Jersey

Preliminary Assessment Report

Attachment 9E: Waste
Disposal Documentation

ENSR Consulting and Engineering

February 1996

Document Number 9500-196-20P

877490133

Carbon, and retained by the Agent

Shipper No. 5145-1

Carrier No.

Date 5/1/95

Page 2 of 2

BROWN CHEMICAL COMPANY INC.

(Name of carrier)

(SCAG)

* Delivery shipments: the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1

TO: Consignee BROWN CHEMICAL COMPANY INC

Room 302 West Oakland Ave

City DALLAS State TX Zip Code 07436

FROM:

Shopper NAPP TECHNOLOGIES

Street 179 Main ST 21-25

City Los Angeles State CA Zip Code 90044

24 hr. Emergency Contact Tel. No. _____

cuta

Vehicle
Number

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class, Identification Number (UN or NA), Packing Group, per 172.101, 172.202, 172.203	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
12	X	ACETONE 3 UN1090 PGII	12.52			
32	X	ISOPROPANOL 3 UN1214 PGII	12.500			
36	X	ALKYLAMINES NOS ← Methoxy 83 UN2734 PGII Propylamine	15.424			
FOR ALL EMERGENCIES CALL CHEMTREC (800) 424-9300			9300			

PLACARDS TENDERED: YES ☐ NO ☒

REMIT
C.O.D. TO:
ADDRESS

Art. 2

C.O.D. FEE:
PREPAID ☐
COLLECT ☐

TOTAL CHARGES:

FREIGHT CHARGES	
Freight	1.00
Insurance	0.00
Warehouse	0.00
Handling	0.00
Other	0.00
Total	1.00

PREPAID ☐ **Freight Prepaid** ☐ **Check box if charges are to be collected when box is shipped.**

Note — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by ☐ Rail ☐ Highway ☐ Water (DELETE NON-APPLICABLE MODE OF TRANSPORT) according to applicable international and national governmental regulations.

Subject to Section 7 of the conditions, if the shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges.

weight and all other lawful charges.

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of the issue of the Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of

said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shopper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

! NAPP TECHNOLOGIES

CARRIER BROWN CHEMICAL COMPANY INC

ER *[Handwritten signature]* EUSR

PER *[Signature]*

DATE 5/1/95

STYLE F85 LABELMASTER, An American Labelmark Co., Chicago, IL 60646 800/621-58

This Memorandum

is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper's No. _____

(Name of Carrier) _____

Carrier's No. _____

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of the Bill of Lading, at _____ 19____ From _____

the property described below, in apparent good order, except as noted (contents and conditions of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date thereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to _____

(Mail or street address at consignee—For purposes of notification only.)

Destination _____ State _____ Zip _____ County _____ Delivery Address ★ _____

★ To be filled in only when shipper desires and governing tariffs provide for delivery thereof.

Route _____

Delivering Carrier _____

Car or Vehicle Initials _____

No. _____

No. Packages	Kind of Package, Description of Articles, Special Marks, and Exceptions	*WEIGHT (Subject to Correction)	Class or Rate	Check Column
43	51. 1/2 in. x 1/2 in. x 1/2 in. (1000)	11		
10	1/2 in. x 1/2 in. x 1/2 in. (1000)			

Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

If charges are to be prepaid, write or stamp here: "To be Prepaid."

Received \$ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____ (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$ _____

† Shipper's imprint in lieu of stamp; not a part of Bill of Lading approved by the Interstate Commerce Commission.

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

† The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

43 1/2 in. x 1/2 in. x 1/2 in. (1000) Shipper, Per _____

Agent, Per _____

Permanent post-office address of shipper, _____

4

877490135

Important -

PICK UP

TONY PALLET, INC.
26 Spring Street
Newark, New Jersey 07104
(201) 484-7118

Date

5-2-95

To

NAPP Chemical

Address

199 MAIN ST

Lodi

Terms

Order No.

		QTY 210							
		180							
		Ch							

877490136

877490137

DATE 5/13/15EMPTY CONTAINER TICKET **0378****KRAMER CHEMICALS INC.**

P.O. BOX 1299, CLIFTON, N.J. 07012 (201) 471-9511

RETURNED FROM NAPA CHEM

REET _____

CITY 101 STATE NY ZIP _____

THE FOLLOWING EMPTY CONTAINERS ARE SUBJECT TO INSPECTION UPON RETURN TO PLANT AND FOUND IN GOOD CONDITION WILL CREDITED TO THE ACCOUNT OF ABOVE IN ACCORDANCE WITH THE TERMS AND CONDITIONS AS ORIGINALLY SET FORTH. PACKAGES MORE THAN 1" OF MATERIAL CANNOT BE RETURNED.

COUNT	RESIDUE LAST CONTAINED	CONTAINER	HAZARDOUS CLASS	UN	PG
	ACETIC ACID 55 THRU 80%	ACETIC ACID SOLUTION 25-50%	8	UN 2731	PG II
	ACETIC ACID GLACIAL	ACETIC ACID GLACIAL	8	UN 2731	PG II
	AQUA AMMONIA	AMMONIA SOLUTION 19-30%	8	UN 2673	PG II
	CAUSTIC POTASH, LIQUID	POTASSIUM HYDROXIDE, LIQUID	8	UN 1814	PG II
4	CAUSTIC SODA, LIQUID	SODIUM HYDROXIDE, LIQUID	8	UN 1824	PG II
	FORMIC ACID	FORMIC ACID	8	UN 1779	PG II
	HYDROGEN PEROXIDE 35%	HYDROGEN PEROXIDE AQUEOUS SOLUTION 35%	5.1	UN 2014	PG II
	HYDROGEN PEROXIDE 50%	HYDROGEN PEROXIDE AQUEOUS SOLUTION 50%	5.1	UN 2014	PG II
	MURIATIC ACID	HYDROCHLORIC ACID, SOLUTION	8	UN 1789	PG II
3	NITRIC ACID	NITRIC ACID	8	UN 2031	PG II
	PHOSPHORIC ACID	PHOSPHORIC ACID	8	UN 1805	PG II
	SODIUM HYPOCHLORITE	HYPOCHLORITE SOLUTION	8	UN 1791	PG III
7	SULFURIC ACID	SULFURIC ACID	8	UN 1830	PG II
	PALLETS				
TOTE BIN SERIAL NUMBERS					

THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION, ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

FULL

SIGNATURE X [Signature]

TYPES OF CONTAINERS

1- TOTE BINS

15 GAL. STAINLESS STEEL DRUM

3- 55 GAL. STAINLESS STEEL DRUM

4- 15 GAL. POLY DEL DRUM

5- 30 GAL. RECON POLY DRUM

6- 55 GAL. RECON POLY DRUM

7- 30 GAL. NEW POL

8- STEEL DRUMS

IN CASE OF EMERGENCY CALL CHEMTREC - 1-800-424-9300

PICK UP ONLY KRAMER CHEMICALS INC. CONTAINER - CHECK WITH OFFICE ON ALL OTHERS

Kramer Driver [Signature]Check at
Kramer Plant By _____

Date _____

877490138

DATE 5-3-75RETURNED FROM NAPP Chemical

REET _____

CITY LODISTATE NJ

ZIP _____

CONTAINER TICKET **03784****KRAMER CHEMICALS INC.**

P.O. BOX 1298, CLIFTON, N.J. 07012 (201) 471-0500

THE FOLLOWING EMPTY CONTAINERS ARE SUBJECT TO INSPECTION UPON RETURN TO PLANT AND FOUND IN GOOD CONDITION WILL BE CREDITED TO THE ACCOUNT OF ABOVE IN ACCORDANCE WITH THE TERMS AND CONDITIONS AS ORIGINALLY SET FORTH. ~~NO CREDIT WILL BE GIVEN FOR CONTAINERS FOUND IN POOR CONDITION.~~

COUNT	RESIDUE LAST CONTAINED	NAME	HAZARD CLASS	UN	PG
	ACETIC ACID 56 THRU 80%	ACETIC ACID SOLUTION 56-80%	8	UN 2790	PG II
	ACETIC ACID GLACIAL	ACETIC ACID, GLACIAL	8	UN 2780	PG II
4	AQUA AMMONIA	AMMONIA SOLUTION 19-30%	8	UN 2672	PG III
	CAUSTIC POTASH, LIQUID	POTASSIUM HYDROXIDE, LIQUID	8	UN 1814	PG II
	CAUSTIC SODA, LIQUID	SODIUM HYDROXIDE, LIQUID	8	UN 1824	PG II
	FORMIC ACID	FORMIC ACID	8	UN 1779	PG II
	HYDROGEN PEROXIDE 35%	HYDROGEN PEROXIDE AQUEOUS SOLUTION 35%	5.1	UN 2014	PG II
	HYDROGEN PEROXIDE 50%	HYDROGEN PEROXIDE AQUEOUS SOLUTION 50%	5.1	UN 2014	PG II
	MURIATIC ACID	HYDROCHLORIC ACID, SOLUTION	8	UN 1789	PG II
4	NITRIC ACID	NITRIC ACID	8	UN 2031	PG II
	PHOSPHORIC ACID	PHOSPHORIC ACID	8	UN 1805	PG II
	SODIUM HYPOCHLORITE	HYPOCHLORITE SOLUTION	8	UN 1791	PG III
42	SULPHURIC ACID	SULPHURIC ACID	8	UN 1830	PG II
	PALLETS				
TOTAL BIN SERIAL NUMBERS					

THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION, ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

FULL

SIGNATURE K. J. B. C. H.

TYPES OF CONTAINERS

TOTE BINS

15 GAL. STAINLESS STEEL DRUM

3- 55 GAL. STAINLESS STEEL DRUM

4- 15 GAL. POLY DEL DRUM

6- 30 GAL. RECON POLY DRUM

6- 55 GAL. RECON POLY DRUM

7- 55 GAL. NEW POLY DRUM

8- STEEL DRUMS

IN CASE OF EMERGENCY CALL CHEMTREC - 1-800-421-9400

PICK UP ONLY KRAMER CHEMICALS INC. CONTAINER - CHECK WITH OFFICE ON ALL OTHERS

Check at



United Cooperage

C O R P O R A T I O N

P.O. Box 22 Berlin, NJ 08009 (609) 767-6644 1-800-775-6645 Fax (609) 768-974

No 3498

NAME Napp Technologies
ADDRESS 199 Main St.
CITY Lodi STATE NY ZIP

DATE 5-8-95

CUSTOMER PO Verbd - Keith

QUANTITY	DESCRIPTION	PRICE	AMOUNT
206	Used, empty drums remained for recycling		

REC'D. George W. Alwark

EMPTY DRUM CERTIFICATION

I hereby certify that these drums are "empty" as that term is defined in the National Environmental Protection Agency regulations, 40 CFR 261.7*, and that they have been properly prepared for transportation under the regulations of the U.S. Department of Transportation, 49 CFR 173.29.**

Print Name K. Donald Bixler, Per Napp

Signature [Signature]

*With regard to most regulated residues, EPA's 40 CFR 261.7 says:

"A container... is empty if:

(I) All wastes have been removed that can be removed using the practices commonly employed to remove materials from that type of container, e.g., pouring, pumping, and aspirating.

and

(II) No more than 2.5 centimeters (one inch) of residue remain on the bottom of the container..."

EPA has explained this rule, saying that "one inch of waste material is an overriding constraint and may remain in an empty container only if it cannot be removed by normal means. The rationale for this provision is that there are certain tars and other extremely viscous materials that will remain in the container even after the container is emptied by normal means."

For residues of products specifically listed by name in 40 CFR 261.33(e), EPA says the container is empty only "if the container... has been triple-rinsed using a solvent capable of removing" the product, or has been cleaned by another method shown to achieve equivalent removal.

**DOT's 49 CFR 173.29 says that all openings on the empty container must be closed, and that all markings and labels must be in place as if the drum were full of its original contents. A DOT shipping paper is not required for transportation of a drum for reconditioning via contract or private motor carrier. DOT placarding is not required for vehicles carrying empty containers.

"DEALER IN STEEL DRUMS"

877490139

180 MILL ROAD
EDISON, NJ 08817
(908) 287-8393
FAX (908) 287-1542

FOR DELIVERY PURPOSES ON

FROM: Ngap chen

PRO NO. _____
TO: Quintin W. Jones

Locli 32

Estuaries, 7/1

X UP DATE	B/L NO.	LEASE NO.	TRAIL NO.	CONNECTING LINE REF.	OWNER
		10	123		Butcher

PIECES	DESCRIPTION	WEIGHT SUBJ. TO CORR.	SEAL AND CONDITION REPT.
5	10 LBS 500 GALLON	3.000	SEAL NO. 28
1	10 LBS 500 GALLON	12.00	SEALS INTACT ON DELIVERY
NO EXCEPTIONS TO BE NOTED WITHOUT FIRST CALLING: 1-800-225-0074			VERIFIED BY
			SIGNATURE

DROPPED CONTAINERS, CHASSIS, VANS, TRAILERS, INCLUDING ALL EQUIPMENT: This will confirm that you herewith indemnify and hold AAC TRANSPORT harmless as well as release AAC TRANSPORT from any liability as a result of their undertaking to drop or pick up Containers, Chassis, Vans, Trailers, including all Equipment for which you have possession from any and all permits, Acts of God, and the case may be for negligence, damage or the like, summons, pound charges, towing charges (if applicable) or any damage to other's property or of the item itself including, but not limited to, tires, lights, landing gear, the item itself, as well as any other act or occurrence including but not limited to, theft, fire, collision, demurrage/retention, or retainage or any other per diem charges. The above merchandise received in good condition except as noted. **IF OVER/SHORT OR DAMAGED GIVE FULL DESCRIPTION.**

PER

1. White - MAIN OFFICE COPY (Mail with all paper)

2. Yellow

List
of
Books
Died
by
Clamp

877490140



United Cooperage

C O R P O R A T I O N

No. 7E04

P.O. Box 22 Berlin, NJ 08009 (609) 767-6644 1-800-775-6645 Fax (609) 768-9747

NAME Napp Technologies

ADDRESS 199 Main St

CITY Lodi STATE NJ ZIP

DATE 5-4-95

CUSTOMER PO

QUANTITY	DESCRIPTION	PRICE	AMOUNT
290	Used, empty drums	55 gAL.	
39	30 gAL PLASTIC (PENTAF.)		

REC'D.

EMPTY DRUM CERTIFICATION

I hereby certify that these drums are "empty" as that term is defined in the National Environmental Protection Agency regulations, 40 CFR 261.7*, and that they have been properly prepared for transportation under the regulations of the U.S. Department of Transportation, 49 CFR 173.29.**

Print Name X Al Gazdalski

Signature X Al Gazdalski

*With regard to most regulated residues, EPA's 40 CFR 261.7 says:

"A container... is empty if:

(I) All wastes have been removed that can be removed using the practices commonly employed to remove materials from that type of container, e.g., pouring, pumping, and aspirating.

and

(II) No more than 2.5 centimeters (one inch) of residue remain on the bottom of the container..."

EPA has explained this rule, saying that "one inch of waste material is an overriding constraint and may remain in an empty container only if it cannot be removed by normal means. The rationale for this provision is that there are certain tars and other extremely viscous materials that will remain in the container even after the container is emptied by normal means."

For residues of products specifically listed by name in 40 CFR 261.33(e), EPA says the container is empty only "if the container... has been triple-rinsed using a solvent capable of removing" the product, or has been cleaned by another method shown to achieve equivalent removal.

**DOT's 49 CFR 173.29 says that all openings on the empty container must be closed, and that all markings and labels must be in place as if the drum were full of its original contents. A DOT shipping paper is not required for transportation of a drum for reconditioning via contract or private motor carrier. DOT placarding is not required for vehicles carrying empty containers.

"DEALER IN STEEL DRUMS"

877490141

877490142

STRAIGHT

BILL OF LADING

REPUBLIC ENVIRONMENTAL SYSTEMS

STARS

 2337 NORTH PENN ROAD
 HATFIELD PA 19440

 L
 Number **393186 1/1**

 OF PICKUP **5-4-95**
 RATOR **NAPP CHEMICALS INC**
EPA IDENTIFICATION CODE NO. **NJD001315282**ADDRESS **199 MAIN STREET**TY **LODI**STATE **NJ**ZIP **07644**PHONE **201 773-3900**CONTACT: **BOB LOEWENSTEIN**

BROKER:

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

RQ WASTE ALCOHOLS, N.O.S., 3, UN1987, PG II
(ISOPROPYL ALCOHOL, METHANOL)

Containers

No.

Type

Total
QuantityUnit
Wt./Vol.

Waste No.

001**TT****04897****G****D 0 0 1**

Additional Information/Lab Code

AL38153 S01

Emergency Phone#

c

d

CONTRACT/PO NO.

EITH TOREANO

D. OF OVERPACKS USED

RT TIME

5:35 A

IVAL AT CUSTOMER

8:00 A

ARTED CUSTOMER

2:00 P.

ELAY TIME

6/1h.

SPECIAL INSTRUCTIONS / REASONS FOR DELAY

WAITING FOR OK TO COME IN PLANT START LOAD AROUND
9AM. THEY HAD TO USE FORK LIFT TO GET DRUMS OUT + WAIT
TO FIND SAME MATERIAL TO SUCK ON, SUCK OUT TOTES TO

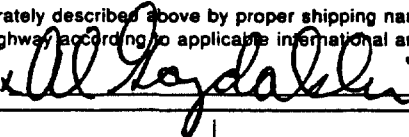
GENERATOR CERTIFICATION:

"I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations." I also certify that all times listed above are true and correct.

Print Name

AL GAZDARSKI

Signature



Date

5-4-95

IACTOR #

54

TRAILER#

1130

BOX SPOTTED#

-

BOX PICKED UP#

-

LINER

-

PHONE NUMBER

215 822-8995

IANSPORTER #1

MPANY

REPUBLIC ENV. SYS. (PA)EPA ID NO. **PAD085690592**

INT NAME

STEPHEN STARS

SIGNATURE



DATE

5-4-95

IANSPORTER #2

MPANY

REPUBLIC ENV SYS (TRANS GROUP)PHONE NUMBER **215 822-2676**EPA ID NO. **PAD982661381**

INT NAME

SIGNATURE

DATE

SDF ARRIVAL TIME

REASON FOR DELAY

SDF DEPARTURE TIME

ELAY TIME

NISH TIME

INSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. **PAD085690592**INSIGNED TO **REPUBLIC ENV SYS (PA), INC.**ADDRESS **2869 SANDSTONE DRIVE****HATFIELD**STATE **PA**ZIP **19440**PHONE **215 822-8995**

IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

INT NAME

SIGNATURE

DATE

ite - GENERATOR FILE

ie - TRANSPORTER FILE

ion - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)

Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE

Goldenrod - TSD FACILITY COPY

 FORM #102 B
 (Rev. 1/95)



LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: **NAPP CHEMICALS INC**
PAE4136532

Generator EPA ID Number: **NJD001315282**

Manifest Number: _____

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

1a Approval/Lab Code: **AL38153**

Waste Water: **N** Non Waste Water: **Y** UHC's: **Y** Class Group: **A**

Waste Codes: **D001**

Sub Categories:

HIGH TOC IGNITABLE CHARACTERISTIC LIQUIDS

Constituent(s):

METHANOL

Set back for descriptions of classification groups and classification group certification statement.

I hereby certify that the information I submitted herein is true, accurate and complete.

Signature: *[Signature]* Title: *X Q C* Date: *5-4-95*



Bureau of Waste Management
P.O. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

VM-51 REV. 10/94

Form approved.
OMB No. 2050-0039
Expires 9-30-96

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of 1

Information within the blue border is not required by Federal law but may be required by State law.

1. Generator's US EPA ID No. NJD001315282

Manifest Document No. 36532

Generator's Name and Mailing Address

NAPP CHEMICALS INC

.99 MAIN STREET P O BOX 900
LODI NJ 07644

201 773-3900

A. State Manifest Document Number

PAE 4136532

B. State Gen. ID

SAME

Transporter 1 Company Name

6. US EPA ID Number

REPUBLIC ENV SYS (PA)

PAD085690592

Transporter 2 Company Name

8. US EPA ID Number

REPUBLIC ENV SYS (TRANS GROUP)

PAD982661381

Designated Facility Name and Site Address

10. US EPA ID Number

REPUBLIC ENV SYS (PA), INC.
2869 SANDSTONE DRIVE
HATFIELD PA 19440

PAD085690592

C. State Trans. ID

PA-AH

506209

D. Transporter's Phone (

215 822-8995

E. State Trans. ID

PA-AH

0317

F. Transporter's Phone (

215 822-2676

G. State Facility's ID

H. Facility's Phone (

215 822-8995

1. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

Waste No.

RQ WASTE ALCOHOLS, N.O.S., 3, UN1987, PG II,
(ISOPROPYL ALCOHOL, METHANOL), (D001)

001

TT

04897

G

D001

Additional Descriptions for Materials Listed Above

Lab Pack

Physical State

Lab Pack

Physical State

a. ☐

☐

AL38153

c. ☐

☐

a. S01

c.

b. ☐

☐

d. ☐

☐

b.

d.

K. Handling Codes for Wastes Listed Above

L. Special Handling Instructions and Additional Information

EMERGENCY PHONE / 1-800-822-2776

IERG 26

5. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

HI GAZDASKI

Signature

HI GAZDASKI

MONTH DAY YEAR

10 5 04 19 95

Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

STEPHEN STRUS

Signature

STEPHEN STRUS

MONTH DAY YEAR

10 5 04 19 95

Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

MONTH DAY YEAR

L. Discrepancy Indication Space

Facility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 18.

Printed/Typed Name

Signature

MONTH DAY YEAR



United Cooperage

C O R P O R A T I O N

No 3507

P.O. Box 22 Berlin, NJ 08009 (609) 767-6644 1-800-775-6645 Fax (609) 768-974

NAME Napp Technologies
ADDRESS 159 Main St
CITY Lodi STATE NY ZIP _____
DATE 5-5-95 CUSTOMER PO _____

QUANTITY	DESCRIPTION	PRICE	AMOUNT
153	Used, empty drums		
115	Used Fiber Drum		
268			

REC'D. George W Alward

EMPTY DRUM CERTIFICATION

I hereby certify that these drums are "empty" as that term is defined in the National Environmental Protection Agency regulations, 40 CFR 261.7*, and that they have been properly prepared for transportation under the regulations of the U.S. Department of Transportation, 49 CFR 173.29.**

Print Name Tony Piccirilli ENSE RTC

Signature Tony Piccirilli

*With regard to most regulated residues, EPA's 40 CFR 261.7 says:

"A container... is empty if:

(i) All wastes have been removed that can be removed using the practices commonly employed to remove materials from that type of container, e.g., pouring, pumping, and aspirating.

and

(ii) No more than 2.5 centimeters (one inch) of residue remain on the bottom of the container..."

EPA has explained this rule, saying that "one inch of waste material is an overriding constraint and may remain in an empty container only if it cannot be removed by normal means. The rationale for this provision is that there are certain tars and other extremely viscous materials that will remain in the container even after the container is emptied by normal means."

For residues of products specifically listed by name in 40 CFR 261.33(e), EPA says the container is empty only "if the container... has been triple-rinsed using a solvent capable of removing" the product, or has been cleaned by another method shown to achieve equivalent removal.

**DOT's 49 CFR 173.29 says that all openings on the empty container must be closed, and that all markings and labels must be in place as if the drum were full of its original contents. A DOT shipping paper is not required for transportation of a drum for reconditioning via contract or private motor carrier. DOT placarding is not required for vehicles carrying empty containers.

"DEALER IN STEEL DRUMS"

877490145

877490146

MG
MG INDUSTRIES

 3 GREAT VALLEY PARKWAY
 MALVERN, PA 19355-1424

 DELIVERY TICKET
 CUSTOMER COPY

CUSTOMER NO.: 2170-

ORDER NO.: 17-2001-01

ORDER DATE: 5/04/95

PAGE:

SHIP TO

 DEEP TECHNOLOGIES, INC.
 PO# 000
 150 MAIN ST
 LODI NJ 07844-0900

SOLD TO

S A M E

CUSTOMER PO	TERMS	SHIP FROM	LOC CODE	SELLER RESERVES THE RIGHT TO IMPOSE A LATE P CHARGE AT A RATE NOT TO EXCEED THE MAXIMUM RA MITTED BY LAW.
LINDER RETURN	NET 30 DAYS	LINDER	E 2 G	
TRANSPORT MODE	SHIP VIA	FREIGHT TERMS	SALESMAN	
TRUCK	TRUCK	CHARGE	A. SPUNG	

PRODUCT NUMBER	QTY. ORDERED	UM	QTY. SHIPPED	RETURNED	UNIT PRICE	BU	EXTENSION
DESCRIPTION			CYL	VOLUME	CUST	MG	
CYLINDER RETURN		EA					EA
Air (200)					1		
Air (204)					1		
N ₂ (304)					1		
Argon (304)					3		
O ₂ (282)					7		
Welding Gas?					W		
Acc (BU) PP					1		
He (UHP) 200					1		
H ₂ (UHP) 200					1		
Argon (200)					1		
He UHP (300)					1		
Extinguisher					17		

RECEIVED BY:

DELIVERED BY:

5/5/95



REPUBLIC
ENVIRONMENTAL
SYSTEMS

Page ____ of ____

LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: NAPP CHEMICALS INC
PAE4136602

Generator EPA ID Number: NJD001315282

Manifest Number: _____

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Approval/Lab Code: AL38153

Waste Water: N Non Waste Water: Y UHC's: Y Class Group: A

Waste Codes: D001

Sub Categories:

HIGH TOC IGNITABLE CHARACTERISTIC LIQUIDS

Constituent(s):

METHANOL

See back for descriptions of classification groups and classification group certification statement.

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature: Tony Precisill

Title: tech

Date: 5-5-95



PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P.O. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

R-WM-51 REV. 10/94

Form approved.
OMB No. 2060-0030
Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NJ D 001315282		Manifest Document No. 36603		2. Page 1 of 1		Information within the blue border is not required by Federal law but may be required by State law.					
3. Generator's Name and Mailing Address NAPP CHEMICALS INC 199 MAIN STREET P O BOX 900 LODI NJ 07644 201 773 3900						A. State Manifest Document Number PAE 4136602							
5. Transporter 1 Company Name REPUBLIC ENV. SYS. (PA)						B. State Gen. ID SAME							
7. Transporter 2 Company Name REPUBLIC ENV. SYS. (TRANS GROUP)						C. State Trans. ID PA-AH							
9. Designated Facility Name and Site Address REPUBLIC ENV SYS (PA), INC. 2869 SANDSTONE DRIVE HATFIELD PA 19440						D. Transporter's Phone () 506 209 215 822 8995							
10. US EPA ID Number PA D 085690592						E. State Trans. ID PA-AH							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. RQ WASTE ALCOHOLS, N.O.S., 3, UN1987, PG II, (ISOPROPYL ALCOHOL, METHANOL), (D001)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		Waste No.	
						001 TT		5/48		G		D 001	
1. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above							
Lab Pack Physical State						a. SO1							
b. AL38153						c.							
15. Special Handling Instructions and Additional Information						201 EMERGENCY PHONE 773-3900							

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name Tony P. [Signature]	Signature Tony P. [Signature]	MONTH DAY YEAR 05/05/95
17. Transporter 1 Acknowledgment of Receipt of Materials Printed/Typed Name Bobby Bowlin	Signature Bobby Bowlin	MONTH DAY YEAR 10/5/05/95
18. Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name	Signature	MONTH DAY YEAR

18. Discrepancy Indication Space

A. Facility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 18.

Printed/Typed Name	Signature	MONTH DAY YEAR
--------------------	-----------	----------------



PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES

Bureau of Waste Management

P.O. Box 8550

Harrisburg, PA 17105-8550

OFFICIAL PENNSYLVANIA MANIFEST FORM

ER-WM-51 REV. 10/94

Form app

OMB No. 2

Expires 9-

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information within the blue border required by Federal law but may be required by State law.
3. Generator's Name and Mailing Address PERMUTED ENVIRONMENTAL, INC. 100 MAIN STREET, BOX 100 HARTFORD, CT 06101		6. US EPA ID Number PA-0000000000		A. State Manifest Document Number PAE 4106602 B. State Gen. ID 547	
5. Transporter 1 Company Name PERMUTED ENVIRONMENTAL, INC.		8. US EPA ID Number PA-0000000000		C. State Trans. ID PA-AH	
7. Transporter 2 Company Name PERMUTED ENVIRONMENTAL, INC.		9. US EPA ID Number PA-0000000000		D. Transporter's Phone () E. State Trans. ID PA-AH	
9. Designated Facility Name and Site Address PERMUTED ENVIRONMENTAL, INC. 100 MAIN STREET, BOX 100 HARTFORD, CT 06101		10. US EPA ID Number PA-0000000000		F. Transporter's Phone () G. State Facility's ID H. Facility's Phone ()	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NO WASTE ALLOYS, IN US... b. ... c. ... d. ...		1	1	1	1
J. Additional Descriptions for Materials Listed Above Lab Pack Physical State a. <input type="checkbox"/> <input type="checkbox"/> 4 b. <input type="checkbox"/> <input type="checkbox"/>		K. Handling Codes for Wastes Listed Above a. <input type="checkbox"/> c. b. <input type="checkbox"/> d.			
15. Special Handling Instructions and Additional Information EMERGENCY PHONE 727-2000					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is to me and that I can afford.					
Printed/Typed Name Terry Piccilli		Signature Terry Piccilli		MONTH DAY 5 5	
17. Transporter 1 Acknowledgment of Receipt of Materials Printed/Typed Name Betty Brubaker		Signature Betty Brubaker		MONTH DAY 10 5	
18. Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name		Signature		MONTH DAY	
19. Discrepancy Indication Space					
20. Facility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 18. Printed/Typed Name Signature MONTH DAY					

877490150

STRAIGHT

BILL OF LADING

REPUBLIC ENVIRONMENTAL SYSTEMS

Bowl

9/L

Number 393197 1/1

2337 NORTH PENN ROAD
HATFIELD PA 19440

DATE OF PICKUP 5-5-95 EPA IDENTIFICATION CODE NO. NJ0001315282
 GENERATOR NAPP CHEMICALS INC ADDRESS 199 MAIN STREET
 CITY LODI STATE NJ ZIP 07644 PHONE 201 773-3900
 CONTACT: BOB LOEWENSTEIN BROKER:

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit Wt./Vol.	Waste No.
	No.	Type			
a. <u>RG WASTE ALCOHOLS, N.O.S., 3, UN1987, PG II</u> <u>(ISOPROPYL ALCOHOL, METHANOL)</u>	<u>001</u>	<u>TT</u>	<u>5.48</u>	<u>G</u>	<u>0001</u>
b.					
c.					
d.					

Additional Information/Lab Code

Emergency Phone#

a AL38153 S01

b

CONTRACT/PO NO.

H TERRANO

IO. OF OVERPACKS USED

TART TIME

ARRIVAL AT CUSTOMER

DEPARTED CUSTOMER

DELAY TIME

5:15 A
7:45 A
12:45 P

SPECIAL INSTRUCTIONS / REASONS FOR DELAY

Loaded 98 drums

GENERATOR CERTIFICATION:

"I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations." I also certify that all times listed above are true and correct.

Print Name Tony PiccirilliSignature Tony P. PiccirilliDate 5-5-95
 TRACTOR # 52 TRAILER# 1110 BOX SPOTTED# BOX PICKED UP# LINER

TRANSPORTER #1

COMPANY

REPUBLIC ENV. SYS. (PA)PHONE NUMBER 215 822-8995EPA ID NO. PAD085690592

PRINT NAME

Bobby Bowl

SIGNATURE

Bobby BowlDATE 5-5-95

TRANSPORTER #2

COMPANY

REPUBLIC ENV SYS (TRANS GROUP)PHONE NUMBER 215 822-2676EPA ID NO. PAD982661381

PRINT NAME

SIGNATURE

DATE

TSDF ARRIVAL TIME

TSDF DEPARTURE TIME

DELAY TIME

FINISH TIME

REASON FOR DELAY

INSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. PAD085690592SIGNED TO REPUBLIC ENV SYS (PA), INC.ADDRESS 2869 SANDSTONE DRIVECITY HATFIELDSTATE PAZIP 19440PHONE 215 822-8995

THIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

PRINT NAME

SIGNATURE

DATE

 White - GENERATOR FILE
 Yellow - TRANSPORTED FILE

 Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)
 Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE

STRAIGHT BILL OF LADING

REPUBLIC ENVIRONMENTAL SYSTEMS

Brown

2337 NORTH PENN ROAD
HATFIELD PA 19440

BL
393219 1/1

OF PICKUP *5/6/95* EPA IDENTIFICATION CODE NO. **NJ0001315282**
GENERATOR **NAPP CHEMICALS INC** ADDRESS **199 MAIN STREET**
CITY **LODI** STATE **NJ** ZIP **07644** PHONE **201 773-3900**
CONTACT: **BOB LOEWENSTEIN** BROKER:

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit Wt./Vol.	Waste
	No.	Type			
a. HQ WASTE ALCOHOLS, N.O.S., 3, UN1987, PG II (ISOPROPYL ALCOHOL, METHANOL)	<i>xxx1</i>	<i>TT</i>	<i>4,763</i>	<i>G</i>	<i>DOO</i>
b.					
c.					
d.					

Additional Information/Lab Code **AL38153 S01** Emergency Phone#
a
b

CONTRACT/PO NO. **H TORENNO**
NO. OF OVERPACKS USED *1*
RT TIME *5:45 A*
VAL AT CUSTOMER *9:00 A*
DEPARTED CUSTOMER
DELAY TIME
SPECIAL INSTRUCTIONS / REASONS FOR DELAY *Get EXTRA hose put on SITE 8:00 A START TRUCK 9:00 A BLAKE FOR LUNCH 11:45 100 P VAC TATS + 16 DMS 4:05 SECURE TRUCK*

GENERATOR CERTIFICATION:
"I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations."
also certify that all times listed above are true and correct.
Print Name *AL GAZDARSKI* Signature *Al Gazdarski* Date *5/6/95*

TRACTOR # *42* TRAILER# *1050* BOX SPOTTED# *X* BOX PICKED UP# *X* LINER *X*
PHONE NUMBER **215 822-8995**

TRANSPORTER #1
COMPANY **REPUBLIC ENV. SYS. (PA)** EPA ID NO. **PAD085690592**
PRINT NAME *Mike Brown* SIGNATURE *Mike Brown* DATE *5/6/95*

TRANSPORTER #2
COMPANY **REPUBLIC ENV SYS (TRANS GROUP)** PHONE NUMBER **215 822-2676** EPA ID NO. **PAD982661381**
PRINT NAME SIGNATURE DATE

TSD ARRIVAL TIME REASON FOR DELAY
TSD DEPARTURE TIME
DELAY TIME
FINISH TIME

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. **PAD085690592**
SIGNED TO **REPUBLIC ENV SYS (PA), INC.** ADDRESS **2869 SANDSTONE DRIVE**
HATFIELD STATE **PA** ZIP **19440** PHONE **215 822-8995**
...IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL
PRINT NAME SIGNATURE DATE

877490151

LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: NAPP CHEMICALS INC Generator EPA ID Number: NJD001315282
PAE4136860
 Manifest Number: _____

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

proval/Lab Code: AL38153 Waste Water: N Non Waste Water: Y UHC's: Y Class Group: A

ste Codes: D001

Sub Categories:

GH TOC IGNITABLE CHARACTERISTIC LIQUIDS

Constituent(s):

THANOL

See back for descriptions of classification groups and classification group certification statement.

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature: W. J. Anderson Title: GC Date: 5/5/95



**REPUBLIC
ENVIRONMENTAL
SYSTEMS**

**REPUBLIC ENVIRONMENTAL
RECYCLING SYSTEMS
(NEW JERSEY), INC.**
P.O. BOX 275, CENCO BOULEVARD
CLAYTON, NJ 08312
(609) 881-7400
(609) 863-9415 FAX

877490153

BILL OF LADING

SHIPPER/GENERATOR <i>NAPP TECH</i>		DATE OF P/U <i>5-9-95</i>	ADDITIONAL DOCUMENTS (B/L & MANIFESTS)
LOADING LOCATION CITY _____ STATE _____		TRACTOR # <i>20</i>	
		TRAILER # <i>1640</i>	
		BOX SPOTTED # _____	
LOAD DESCRIPTION <i>Oil + WATER</i>		BOX PICKED UP # _____	
		O/P'S _____ LINER _____	
		QUANTITY <i>1500</i> VOLUME _____	
START TIME: _____	REASON FOR DELAY (as much detail as possible)		
ARRIVAL @GENERATOR <i>1030</i>	<i>Spilled 1 Tank</i>		
DEPART GENERATOR <i>1600</i>	<i>H. Davis</i>		
DELAY TIME _____			
GENERATOR SIGNATURE <i>X</i> <i>Al Gaydalslin</i>	DATE <i>5/9/95</i>		
SPONSAL FACILITY INFORMATION (CILITY NAME)		ADDITIONAL EQUIPMENT/COMMENTS	
FACILITY LOCATION			
CITY <i>Codi</i>	STATE <i>NJ</i>		
ARRIVAL TIME: _____	REASON FOR DELAY (as much detail as possible)		
DEPARTURE TIME: _____			
DELAY TIME: _____			
FINISH TIME: _____			
TSDF REPRESENTATIVE SIGNATURE _____		DATE _____	
DRIVER PRINT <i>LEGINAKI TAWHED</i> DRIVER SIGNATURE _____		DATE <i>5-9-95</i>	
BILLING INFORMATION (OFFICE USE ONLY)			
CUSTOMER _____		P.O. # _____	
TRANSPORTATION PRICE _____		SPOTTING CHARGE: _____ LINER CHARGE: _____	
GENERATOR DELAY: _____ hrs. @ _____		PE _____	
DISPOSAL DELAY: _____ hrs. @ _____		PE _____	
ADDITIONAL BILLING INFO. _____			

877490154



State of New Jersey
Department of Environmental Protection and Energy
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0339 Exp.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of 1		Information in the shaded area is not required by Federal law.					
3. Generator's Name and Mailing Address WASTE SPECIALTIES, INC. 100 W. MAIN STREET, 10TH FLOOR TRENTON, NJ 08611-1015						A. State Manifest Document Number NJA 207829							
4. Generator's Phone ()						B. State Generator's ID (Gen. Site Address) SAME							
5. Transporter 1 Company Name WASTE SPECIALTIES, INC.				6. US EPA ID Number NJ 0000000000		C. State Trans. ID-NJDEPE NJDEPE000000							
7. Transporter 2 Company Name				8. US EPA ID Number		D. Transporter's Phone ()							
9. Designated Facility Name and Site Address WASTE SPECIALTIES, INC. 100 W. MAIN STREET, 10TH FLOOR TRENTON, NJ 08611-1015				10. US EPA ID Number NJ 0000000000		E. State Trans. ID-NJDEPE NJDEPE000000							
						F. Transporter's Phone ()							
						G. State Facility's ID NJDEPE000000							
						H. Facility's Phone ()							
11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) HM 177200						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste	
a. 177200						1							
b.													
c.													
d.													
J. Additional Descriptions for Materials Listed Above Waste Petroleum Oil						K. Handling Codes for Wastes Listed Above Distillation							
a. 177200						c.							
b.						d.							
15. Special Handling Instructions and Additional Information Material is a hazardous waste in New Jersey, but not according to RCRA. Lab Code B 24 hour emergency number 201-437-1015													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name, classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and the best waste management method that is available to me and that I can afford.													
Printed/Typed Name J. J. ...						Signature J. J. ...						Month Day	
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name J. J. ...						Signature J. J. ...						Month Day	
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name						Signature						Month Day	
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name						Signature						Month Day	

If you are not an emergency or spill emergency call the state the emergency occurs and the N.J. Dept. of Environmental Protection and Energy. (609) 292-7172



State of New Jersey
Department of Environmental Protection and Energy
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421



Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2050-0032

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NJ0001315287	Manifest Document No. 121212	2. Page 1 of 1	Information in the state is not required by I
3. Generator's Name and Mailing Address HAPP TECHNOLOGIES INC 100 MAIN STREET Lodi NJ 07644 201 497-1015				A. State Manifest Document Number NJA 2078	
4. Generator's Phone ()				B. State Generator's ID (Gen. Site A) SAME	
5. Transporter 1 Company Name Resolute Env. Sys. (PA)		6. US EPA ID Number 040395690522		C. State Trans. ID-NJDEPE NJDE Decal No. 715	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone	
9. Designated Facility Name and Site Address Resolute Environmental Recycling, Inc. PO Box 275 Ocean Blvd. Clayton, NJ 08212		10. US EPA ID Number NJ0001315287		E. State Trans. ID-NJDEPE Decal No.	
11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) HM a. UNCLASSIFIED LIQUID H.O.P. (UNCLASSIFIED & HAZARDOUS OIL), N/A1002, PG III (1776)		12. Containers No. Type		13. Total Quantity	14. Unit (Wt/Vol)
b.					
c.					
d.					
15. Additional Descriptions for Materials Listed Above Waste Petroleum Oil Water				K. Handling Codes for Wastes Listed c. d.	
15. Special Handling Instructions and Additional Information Material is a hazardous waste in New Jersey, but not according to HSEPA. Lab Code P 24 hour emergency number 201-497-1015 290 3				b. d.	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generated by the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Al. Spindler			Signature Mont.		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Resolute Environmental			Signature Mont.		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name			Signature Mont.		
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Signature Mont.					

TONY PALLET, INC.
26 Spring Street
Newark, New Jersey 07104
(201) 484-7118

26 Spring Street
Newark, New Jersey 07104
(201) 484-1118

Date 5-9-95

Address.

NAPP.

99, MAIN ST.

Li

Terms

Order No.[illegible]

HAZARDOUS MATERIAL SHIPPING PAGE

DESIGNED TO

CONTAINER

MATHESON GAS PRODUCTS INC.

Acetylene, Compressed	2.2 (Non Flammable Gas)	UN 1051
Ammonia, Anhydrous	2.3 (Poison Gas)	UN 1050
Argon, Compressed	2.2 (Non Flammable Gas)	UN 1068
Carbon Dioxide, Solid	2.2 (Non Flammable Gas)	UN 1052
Carbon Monoxide, Gas	2.3 (Poison Gas)	UN 1050
Chlorine, Gas	2.3 (Poison Gas)	UN 1050
Ethylene, Compressed	2.1 (Flammable Gas)	UN 1051
Helium, Compressed	2.2 (Non Flammable Gas)	UN 1068
Hydrogen, Compressed	2.1 (Flammable Gas)	UN 1051
Hydrogen Chloride Anhydrous	2.3 (Poison Gas)	UN 1050
Hydrogen Fluoride Anhydrous	2.3 (Poison Gas)	UN 1050
Hydrogen Sulfide, Liquid	2.3 (Poison Gas)	UN 1050
Isobutane	2.1 (Flammable Gas)	UN 1051
Isobutylene	2.1 (Flammable Gas)	UN 1051
Methane, Compressed	2.1 (Flammable Gas)	UN 1051
Methyl Chloride	2.1 (Flammable Gas)	UN 1051
Nitrogen, Compressed	2.2 (Non Flammable Gas)	UN 1068
Oxygen, Compressed	2.2 (Non Flammable Gas)	UN 1070
Propane	2.1 (Flammable Gas)	UN 1051
Propylene	2.1 (Flammable Gas)	UN 1051
Refrigerant Gas	2.2 (Non Flammable Gas)	UN 1068

877490158



Welding Supply Co., Inc.

Fenelon Building

- High Pressure and Cryogenic Industrial, Medical and Specialty Gases and Supplies
- MAPP, Propane, Safety Equipment, Fire Extinguishers and Tools

FULL IN-HOUSE SALES, SERVICE, RENTALS, REPAIRS

ORDERS TAKEN 24 HOURS
EVERY DAY

Mon-Fri 7:00 AM -
Sat 6:00 AM -

AGL WELDING SUPPLY CO., INC.
800 ROUTE 46 WEST
P.O. BOX 1707
CLIFTON, NJ 07015
FAX: 201-478-8548
PHONE: 201-478-8000

AGL WELDING SUPPLY CO., INC.
588 ROUTE 9W NORTH
NEWBURGH, NY 12550
FAX: 914-561-2979
PHONE: 914-561-8800

BRANCH LOCATION:
AGL WELDING SUPPLY CO., INC.
723 FAIRVIEW AVENUE
FAIRVIEW, NJ 07022
FAX: 201-478-8888
PHONE: 201-478-8000

☐ INVOICE
☒ DELIVERY

597762
NAPP CHEMICALS, INC.
199 MAIN STREET
PO BOX 900
LODI

SHIP TO: SOME

597762

NJ 026441298

FORMER 65 OK TO CHARGE

TIME 16:09:21 201-773-3900

PAGE 1

201-1128

PHONE NUM

CONTACT MEMO NO.	BRANCH NO.	BATCH NO.	DATE SHIPPED	BRANCH ACCOUNT NO.	PAY TO
	01	88	5/10/95	01-597762	
ORDER DATE	CUSTOMER PURCHASE NO.	STATE TAX NO.	SALESMAN	SHIP VIA	T.O.
5/10/95	NAPP CHEMICAL	ST3-221-923-899	311	DEL	
SHIPPED	BACK ORDER	EXCISE	VEN	PART	DESCRIPTION

PICK UP 1 STROY 6 SIZE HYDROGEN CHLORIDE
CYLINDER 3/4" 07/92 ASK FOR RICK SMITH
OR FISH CORP.

99/0111

TRUCKING/CHARGE

201-773-3900
FROM NEW JERSEY
1000 1/2 6 Hydrogen Chloride

*** FOR YOUR CONVENIENCE, WE ACCEPT VISA AND MASTERCARD

ORDER SIGNATURE X

AMOUNT COLLECTED

COL CCF - HUNDRED CUBIC FEET CY - CYLINDER DZ - DOZEN
LT - LITER BX - BOX OZ - OUNCES
LB - POUND PK - PACK TD - TROY OUNCE
CS - CASE EA - EACH MI - MISC.

LATE PAYMENT CHARGES ARE STRICTLY ENFORCED

Accounts receivable balances which remain unpaid 30 days after the
LATE PAYMENT CHARGE at the rate of 1 1/2% per month. 1995

INSURE PROPER CREDIT, PLEASE ENCLOSE A LIST OF INVOICE NUMBERS AND AMOUNTS YOU ARE PAYING ALONG WITH YOUR
EMITTANCE CHECK
ALL BILLINGS AND PAYMENTS AFTER THE 25th WILL APPEAR ON YOUR STATEMENT NEXT MONTH.

CUSTOMER COPY

877490159



PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P.O. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

51 REV. 10/94

Form approved.
OMB No. 2050-0039
Expires 9-30-96

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest
Document No.

2. Page 1
of 1

Information within the blue border is not
required by Federal law but may be
required by State law.

Generator's Name and Mailing Address

NAPP CHEMICALS INC

199 MAIN STREET P O BOX 900
LODI NJ 07644

201 773-3900

Transporter 1 Company Name

6. US EPA ID Number

REPUBLIC ENV. SYS. (PA)

PAD085690592

Transporter 2 Company Name

8. US EPA ID Number

REPUBLIC ENV. SYS. (TRANS GROUP)

PAD982661381

Designated Facility Name and Site Address

10. US EPA ID Number

REPUBLIC ENV. SYS. (PA), INC.

1869 SANDSTONE DRIVE

WATFIELD PA 19440

PAD085690592

A. State Manifest Document Number

PAE 4137136

B. State Gen. ID

SAME

C. State Trans. ID

PA-AH 506209

D. Transporter's Phone (

205 822-8995

E. State Trans. ID

PA-AH 0317

F. Transporter's Phone (

215 822-2676

G. State Facility's ID

H. Facility's Phone (215 822-8995

DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

No.

Type

13. Total
Quantity

14. Unit
Wt/Vol

1. Waste No.

1Q WASTE ACETONE, 3, UN1090, PG II, (F003)*

3

DM

165 C.T.
~~4580~~

G

F003

2Q Waste Acetone, 3, UN1090 PG II (F003)

85

DF

4,675

G

F003

Additional Descriptions for Materials Listed Above

Lab Pack

Physical State

Lab Pack

Physical State

☐

☐

FD38182

c. ☐

☐

a. S01

c.

☐

☐

FD38182

d. ☐

☐

b. S01

d.

Special Handling Instructions and Additional Information

EMERGENCY PHONE 201 773-3900

1A- D001

GENERATOR'S CERTIFICATION:

I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

GAZDALSki

Signature

Al Gyzdalski

MONTH DAY YEAR
10 5 09 95

Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

CRA. Thompson

Signature

CRA Thompson

MONTH DAY YEAR
10 5 09 95

Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

MONTH DAY YEAR

Discrepancy Indication Space

For owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

Signature

MONTH DAY YEAR

877490161

STRAIGHT

BILL OF LADING

REPUBLIC ENVIRONMENTAL SYSTEMS

B/L Number 393264 1/1

2337 NORTH PENN ROAD
HATFIELD PA 19440

DATE OF PICKUP _____ EPA IDENTIFICATION CODE NO. NJ0001315282

GENERATOR NAPP CHEMICALS INC ADDRESS 199 MAIN STREET

CITY LODI STATE NJ ZIP 07644 PHONE 201 773-3900

CONTACT: BOB LOEWENSTEIN BROKER: ENSR REMEDIATION & CONSTRUCTION

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit Wt./Vol.	Waste No.
	No.	Type			
a. <u>RQ WASTE ACETONE, 3, UN1090, PG II</u>	<u>3</u>	<u>DM</u>	<u>165 c.T.</u>	<u>G</u>	<u>F003</u>
b. <u>RQ waste Acetone, 3, UN1090, PG II</u>	<u>85</u>	<u>DF</u>	<u>4,675</u>	<u>G</u>	<u>F003</u>
c.					
d.					

Additional Information/Lab Code

Emergency Phone# 201-773-3900a ED38182 S01b ED38182 S01CONTRACT/PO NO. HNO. OF OVERPACKS USED NONES TIME 11:15/ AL AT CUSTOMER 1:30DEPARTED CUSTOMER 3:45DELAY TIME 2 hr 15 minSPECIAL INSTRUCTIONS / REASONS FOR DELAY Load @ Label Drum

GENERATOR CERTIFICATION:

"I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations." I also certify that all times listed above are true and correct.

Print Name Al GAZDANSKISignature Al GAZDANSKIDate 5-9-95TRACTOR # 45TRAILER# 3120

BOX SPOTTED#

BOX PICKED UP#

LINER

TRANSPORTER #1

COMPANY REPUBLIC ENV. SYS. (PA)PRINT NAME Craig ThompsonSIGNATURE Craig ThompsonDATE 5-9-95PHONE NUMBER 215 822-8995EPA ID NO. PAD085690592

TRANSPORTER #2

COMPANY REPUBLIC ENV SYS (TRANS GROUP)

PRINT NAME

SIGNATURE

DATE

PHONE NUMBER 215 822-2676EPA ID NO. PAD982661381

TSDF ARRIVAL TIME

REASON FOR DELAY

TSDF DEPARTURE TIME

DELAY TIME

FINISH TIME

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. PAD085690592CO: SENT TO REPUBLIC ENV SYS (PA), INC.ADDRESS 2869 SANDSTONE DRIVECIT HATFIELDSTATE PAZIP 19440PHONE 215 822-8995

THIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

PRINT NAME

SIGNATURE

DATE

White - GENERATOR FILE
Blue - TRANSPORTER FILE
Green - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)
Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE
Goldenrod - TSD FACILITY COPY

FORM #102 I
(Rev. 1/95)

REPUBLIC
ENVIRONMENTAL
SYSTEMS

Page ____ of ____

LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: NAPP CHEMICALS INC
PAE4137136Generator EPA ID Number: NJD001315282

Manifest Number: _____

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Approval/Lab Code: ED38182 Waste Water: N Non Waste Water: Y UHC's: Y Class Group: A

Waste Codes: F003 D001

Sub Categories:

1 - F005 SOLVENT WASTES EXCEPT THOSE NOTED IN OTHER SUBCATEGORIES
H TOC IGNITABLE CHARACTERISTIC LIQUIDS

Constituent(s):

TONE

See back for descriptions of classification groups and classification group certification statement.

I hereby certify that I believe that the information submitted herein is true, accurate and complete.

Signature: W. GaydarskiTitle: QCDate: 5-9-95



ER-WM-51 REV. 10/94

DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P.O. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

Form approved.
OMB No. 2050-01
Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information within the blue border is not required by Federal law but may be required by State law.
Generator's Name and Mailing Address NAPP CHEMICALS INC 199 MAIN STREET P O BOX 900 LODI NJ 07644 201 773-3900		137136		A. State Manifest Document Number PAE 4137136	
5. Transporter 1 Company Name REPUBLIC ENV SYS (PA)		6. US EPA ID Number PAD085690592		B. State Gen. ID SAME	
7. Transporter 2 Company Name REPUBLIC ENV SYS (TRANS GROUP)		8. US EPA ID Number PAD982661381		C. State Trans. ID PA-AH 506209	
9. Designated Facility Name and Site Address REPUBLIC ENV SYS (PA), INC. 2869 SANDSTONE DRIVE HATFIELD PA 19440		10. US EPA ID Number PAD085690592		D. Transporter's Phone (215 822-8995 E. State Trans. ID PA-AH 0317 F. Transporter's Phone (215 822-2676 G. State Facility's ID H. Facility's Phone (215 822-8995	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. RQ WASTE ACETONE, 3, UN1090, PG II, (F003)*		3	D M	165 C.T.	G F003
b. RQ waste Acetone, 3, UN1090 PG II (F003)		85	DF	4,675	G F003
c.					
d.					
Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above			
a. Pack	Physical State	Lab Pack	Physical State	a. S01	c.
b. Pack	Physical State	d. Pack	Physical State	b. S01	d.
15. Special Handling Instructions and Additional Information 11A- D001		EMERGENCY PHONE 201 773-3900			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economical practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health or the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Al Gazdalski		Signature Al Gazdalski		MONTH DAY YEAR 10 5 09 1995	
17. Transporter 1 Acknowledgment of Receipt of Materials Printed/Typed Name Craig Thompson		Signature Craig Thompson		MONTH DAY YEAR 10 5 09 1995	
18. Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name		Signature		MONTH DAY YEAR	
18. Discrepancy Indication Space					
2. City owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 18. Printed/Typed Name		Signature		MONTH DAY YEAR	

PA Form 8700-22 (Rev. 9/88) Previous editions are obsolete

Copy 3 - Generator: Mail to Destination State
(PA) 393264 1/1

877490163

3

LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: NAPP CHEMICALS INC
PAE4137324Generator EPA ID Number: NJD001315282

Manifest Number: _____

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Waste Code: AL38153 Waste Water: N Non Waste Water: Y UNC's: Y Class Group: A

Waste Codes: D001

Sub Categories:

I TOC IGNITABLE CHARACTERISTIC LIQUIDS

Constituent(s):

DIANOL

See back for descriptions of classification groups and classification group certification statement.

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature: Al KaydahlTitle: QCDate: 5-10-95

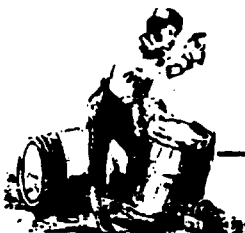


PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P.O. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

ER-WM-51 REV. 10/94

Form approved.
OMB No. 2050-002
Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NJD001315282		2. Page 1 of 1		Information within the blue border is not required by Federal law but may be required by State law.	
3. Generator's Name and Mailing Address NAPP CHEMICALS INC 19 MAIN STREET P O BOX 900 LODI NJ 07644 201 773-3900				A. State Manifest Document Number PAE 4137324			
5. Transporter 1 Company Name REPUBLIC ENV. SYS. (PA)				6. US EPA ID Number PAD085690592		C. State Trans. ID PA-AH S06209	
7. Transporter 2 Company Name REPUBLIC ENV SYS (TRANS GROUP)				8. US EPA ID Number PAD982661381		D. Transporter's Phone (215 822-8995	
9. Designated Facility Name and Site Address REPUBLIC ENV SYS (PA), INC. 2869 SANDSTONE DRIVE HATFIELD PA 19440				10. US EPA ID Number PAD085690592		E. State Trans. ID PA-AH 0317	
				F. Transporter's Phone (215 822-2676		G. State Facility's ID	
				H. Facility's Phone (215 822-8995			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity	
a. RQ WASTE ALCOHOLS, N.O.S., 3, UN1987, PG II, (ISOPROPYL ALCOHOL, METHANOL), (D001)				No. 1 Type TT		4800	
b.						14. Unit Wt/Vol G D O O	
c.							
d.							
15. Special Handling Instructions and Additional Information				K. Handling Codes for Wastes Listed Above			
a. AL38153				c. S01		d.	
b.				d.			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economic practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name HI GAZDARSKI				Signature HI GAZDARSKI		MONTH DAY YE 10 5 1 0 19	
17. Transporter 1 Acknowledgement or Receipt of Materials				Signature Craig Thomson		MONTH DAY YE 10 5 1 0 19	
Printed/Typed Name Craig Thomson				Signature		MONTH DAY YE	
18. Transporter 2 Acknowledgement or Receipt of Materials				Signature		MONTH DAY YE	
Printed/Typed Name				Signature		MONTH DAY YE	
19. Discrepancy Indication Space							
Facility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name				Signature		MONTH DAY YE	



United Cooperage

C O R P O R A T I O N

No 3519

P.O. Box 22 Berlin, NJ 08009 (609) 767-6644 1-800-775-6645 Fax (609) 768-9747

NAME Napp Technologies
ADDRESS Main St
CITY Lodi STATE NJ ZIP _____
DATE 5-10-95 CUSTOMER PO _____

QUANTITY	DESCRIPTION	PRICE	AMOUNT
162	Used, empty drums.		

REC'D. George W Alward

EMPTY DRUM CERTIFICATION

I hereby certify that these drums are "empty" as that term is defined in the National Environmental Protection Agency regulations, 40 CFR 261.7*, and that they have been properly prepared for transportation under the regulations of the U.S. Department of Transportation, 49 CFR 173.29.**

Print Name Anthony Perrilli

Signature [Signature]

*With regard to most regulated residues, EPA's 40 CFR 261.7 says:

"A container... is empty if:

(I) All wastes have been removed that can be removed using the practices commonly employed to remove materials from that type of container, e.g., pouring, pumping, and aspirating.

and

(II) No more than 2.5 centimeters (one inch) of residue remain on the bottom of the container.

EPA has explained this rule, saying that "one inch of waste material is an overriding constraint and may remain in an empty container only if it cannot be removed by normal means. The rationale for this provision is that there are certain tars and other extremely viscous materials that will remain in the container even after the container is emptied by normal means."

For residues of products specifically listed by name in 40 CFR 261.33(e), EPA says the container is empty only "if the container... has been triple-rinsed using a solvent capable of removing" the product, or has been cleaned by another method shown to achieve equivalent removal.

**DOT's 49 CFR 173.29 says that all openings on the empty container must be closed, and that all markings and labels must be in place as if the drum were full of its original contents. A DOT shipping paper is not required for transportation of a drum for reconditioning via contract or private motor carrier. DOT placarding is not required for vehicles carrying empty containers.

"DEALER IN STEEL DRUMS"

877490166



LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: NAPP CHEMICALS INC
PAE4137862

Generator EPA ID Number: NJ0001313282

Manifest Number: _____

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

a Approval/Lab Code: AD38235 Waste Water: N Non Waste Water: Y UHC's: Y Class Group: A

Waste Codes: D001 D002

Sub Categories:

HIGH TOC IGNITABLE CHARACTERISTIC LIQUIDS

CORROSIVE CHARACTERISTIC WASTES, CWA, CWA-EQUIVALENT, OR CLASS I SDWA SYSTEMS

Constituent(s):

NO UHC'S IN WASTE

b Approval/Lab Code: AD38226 Waste Water: N Non Waste Water: Y UHC's: Y Class Group: A

Waste Codes: D002

Sub Categories:

CORROSIVE CHARACTERISTIC WASTES, CWA, CWA-EQUIVALENT, OR CLASS I SDWA SYSTEMS

Constituent(s):

NO UHC'S IN WASTE

See back for descriptions of classification groups and classification group certification statement.

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature: [Signature] Title: [Signature] Date: 5/11/95

SYSTEMS

LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: NAPP CHEMICALS INC
PAE4137851Generator EPA ID Number: NJD001315282

Manifest Number: _____

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Val/Lab Code: AD38230 Waste Water: N Non Waste Water: Y UHC's: Y Class Group: A

Codes: D002

Sub Categories:

DANGEROUS CHARACTERISTIC WASTES, CWA, CWA-EQUIVALENT, OR CLASS I SDWA SYSTEMS

Constituent(s):

IC'S IN WASTE

Val/Lab Code: WD38236 Waste Water: N Non Waste Water: Y UHC's: Y Class Group: A

Codes: D002

Sub Categories:

DANGEROUS CHARACTERISTIC WASTES, CWA, CWA-EQUIVALENT, OR CLASS I SDWA SYSTEMS

Constituent(s):

IC'S IN WASTE

See back for descriptions of classification groups and classification group certification statement.

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature: [Signature]Title: Material MgrDate: 5/11/96

STRAIGHT

BILL OF LADING

REPUBLIC ENVIRONMENTAL SYSTEMS

 2337 NORTH PENN ROAD
 HATFIELD PA 19440

 B/L
 Number 393332

 TE OF PICKUP 5-11-95 EPA IDENTIFICATION CODE NO. NJD001315282
 GENERATOR NAPP CHEMICALS INC ADDRESS 199 MAIN STREET
 CITY LODI STATE NJ ZIP 07644 PHONE 201 773-39
 CONTACT: BOB LOEWENSTEIN BROKER:

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit Wt./Vol.	Waste
	No.	Type			
a. RQ WASTE AMMONIA SOLUTIONS, 8, UN2672, PG III		D M			G D O C
b. RQ WASTE CAUSTIC ALKALI LIQUID, N.O.S., 8, UN1719, PG III (SODIUM HYDROXIDE)	1	D M	55	G	D O C
c. RQ WASTE FLAMMABLE LIQUIDS, CORROSIVE, N.O.S., 3, UN2924, PG II (METHANOL, HYDROCHLORIC ACID)	4	D M	1400	P	D O C
d. RQ WASTE FLAMMABLE LIQUIDS, N.O.S., 3, UN1993, PG III (PROPAGYL ALCOHOL)	3	D M	30	G	D O C

Additional Information/Lab Code

Emergency Phone#

a AD38230 S01

c AD38228 S01

b WD38236 S01

d AD38231 S01

CONTRACT/PO NO.

NO. OF OVERPACKS USED

START TIME

RIVAL AT CUSTOMER

ARTED CUSTOMER

DELAY TIME

SPECIAL INSTRUCTIONS / REASONS FOR DELAY

MAKE UP
 LABELS ADD LINE ITEMS OVERPACK
 LOAD + LABEL DRAWING DO paper
 GET SIGNATURE'S

GENERATOR CERTIFICATION:

"I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations also certify that all times listed above are true and correct.

 Print Name X KEITH TERRANCE Signature X Keith Terrance Date 5-11-95
TRACTOR # 30TRAILER# 3900

BOX SPOTTED#

BOX PICKED UP#

LINER

TRANSPORTER #1

COMPANY REPUBLIC ENV. SYS. (PA)PHONE NUMBER 215 822-8995PRINT NAME JOHN TIBBSSIGNATURE John TibbsEPA ID NO. PAD085690592DATE 5-11-

TRANSPORTER #2

COMPANY REPUBLIC ENV SYS (TRANS GROUP)PHONE NUMBER 215 822-2676EPA ID NO. PAD982661381

PRINT NAME

SIGNATURE

DATE

TSD ARRIVAL TIME

REASON FOR DELAY

TSD DEPARTURE TIME

DELAY TIME

FINISH TIME

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. PAD085690592CONSIGNED TO REPUBLIC ENV SYS (PA), INC.ADDRESS 2869 SANDSTONE DRIVE

HATFIELD

STATE PAZIP 19440PHONE 215 822-8995

IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

PRINT NAME

SIGNATURE

DATE

 White - GENERATOR FILE
 Blue - TRANSPORTER FILE
 Green - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

 Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)
 Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE
 Goldenrod - TSD FACILITY COPY

877490170

STRAIGHT

BILL OF LADING

REPUBLIC ENVIRONMENTAL SYSTEMS

2337 NORTH PENN ROAD
HATFIELD PA 19440

number 393333 1/3

DATE OF PICKUP 5-11-95 EPA IDENTIFICATION CODE NO. NJD001315282
 ORIGINATOR NAPP CHEMICALS INC ADDRESS 199 MAIN STREET
LODI STATE NJ ZIP 07644 PHONE 201 773-3900
 CONTACT: BOB LOEWENSTEIN BROKER:

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit Wt./Vol.	Waste No.
	No.	Type			
RQ WASTE CORROSIVE LIQUIDS, FLAMMABLE, N.O.S., UN2920, PG II (ISOPROPAL ALCOHOL, HEXA METHYLENE DIAMINE)	10	DM	3500	P	D 0 0 1
RQ WASTE CORROSIVE LIQUIDS, N.O.S., UN1760, PG II NITRIC ACID	0	DM	0		P 0 0 0 2
NON DOT HAZ SOLID NOT DOT REGULATED	23	DM	8050	P	N / A
RQ WASTE CORROSIVE LIQUIDS FLAMMABLE N.O.S., UN2920, ISOPROPAL ALCOHOL, HEXA METHYLENE DIAMINE PG II	1	DM	350	P	D 0 0 1
Additional Information/Lab Code	Emergency Phone#				
<u>WD38235 S01</u>	<u>WD34108 S01</u>				
<u>WD38226 S01</u>	<u>WD34235 S01</u>				

TRACT/PO NO. _____
 OF OVERPACKS USED _____
 RT TIME 5:30A
 AL AT CUSTOMER 8:00A
 ITED CUSTOMER 1:15 PM
 AY TIME 5:25 PM

SPECIAL INSTRUCTIONS / REASONS FOR DELAY

MADE UP
LABELS + LINE ITEMS OVERPACK
LOAD + LABEL DEFORM DO REPACK
SEE SIGNATURES

GENERATOR CERTIFICATION:

I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations. I certify that all times listed above are true and correct.

Name X Keith Terraneo Signature X Keith Terraneo Date 5-11-95

TOR # 30 TRAILER# 3900 BOX SPOTTED# _____ BOX PICKED UP# _____ LINER _____

SPORTER #1
 ANY REPUBLIC ENV. SYS. (PA) PHONE NUMBER 215 822-8995
 NAME JOHN TILES SIGNATURE [Signature] EPA ID NO. PAD085690592 DATE 5-11-95

SPORTER #2
 ANY REPUBLIC ENV SYS (TRANS GROUP) PHONE NUMBER 215 822-2676
 NAME _____ SIGNATURE _____ EPA ID NO. PAD982661381 DATE _____

ARRIVAL TIME _____ REASON FOR DELAY _____
 DEPARTURE TIME _____
 TIME _____
 TIME _____

GNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. PAD085690592
 GNEED TO REPUBLIC ENV SYS (PA), INC. ADDRESS 2869 SANDSTONE DRIVE
HATFIELD STATE PA ZIP 19440 PHONE 215 822-8995
 TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL
 NAME _____ SIGNATURE _____ DATE _____

GENERATOR FILE
 TRANSPORTER FILE
 REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)
 Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE
 Goldenrod - TSD FACILITY COPY

FORM #102 B

2337 NORTH PENN ROAD
HATFIELD PA 19440

B/L
Number **393296**

DATE OF PICKUP **5-11-95** EPA IDENTIFICATION CODE NO. **NJD001315282**
GENERATOR **NAPP CHEMICALS INC** ADDRESS **199 MAIN STREET**
CITY **LODI** STATE **NJ** ZIP **07644** PHONE **201 773-3901**
TACT: **BOB LOEWENSTEIN** BROKER:

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit Wt./Vol.	Waste #
	No.	Type			
a. WASTE ACETIC ANHYDRIDE, 8, UN1715, PG II	11	DM	660	G	D 0 0
b. NON DOT/RCRA HAZ SOLID NOT DOT REGULATED	1	DM	3.50	P	N / A
c. NON DOT/RCRA HAZ SOLID NOT DOT REGULATED	5	DM	1750	P	X 7 2
d. NON DOT/RCRA HAZ LIQUID NOT DOT REGULATED	0	DM	0	G	N / A

Additional Information/Lab Code

a **AD38108 S01**

Emergency Phone#

c **WD23326 S01**

b **WD28805 S01**

d ~~**WD38179 S01**~~

CONTRACT/PO NO. **H**
NO. OF OVERPACKS USED _____
START TIME **5:30 A**
ARRIVAL AT CUSTOMER **8:00 A**
DEPARTED CUSTOMER _____
DRIVE TIME _____

SPECIAL INSTRUCTIONS / REASONS FOR DELAY

**MAKE UP LABELS
ADD LINE ITEMS TO PAPERWORK OUTSIDE
+ GET SIGNATURES**

GENERATOR CERTIFICATION:

"I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations." I also certify that all times listed above are true and correct.

Print Name **X Keith Terranova** Signature **X Keith Terranova** Date **5-11-95**

TRACTOR # **300** TRAILER# **3900** BOX SPOTTED# _____ BOX PICKED UP# _____ LINER _____

TRANSPORTER #1
COMPANY **REPUBLIC ENV. SYS. (PA)** PHONE NUMBER **215 822-8995**
PRINT NAME **JOHN TIBBS** SIGNATURE **[Signature]** DATE **5-11-95**
EPA ID NO. **PAD085690592**

TRANSPORTER #2
COMPANY **REPUBLIC ENV SYS (TRANS GROUP)** PHONE NUMBER **215 822-2676**
PRINT NAME _____ SIGNATURE _____ DATE _____
EPA ID NO. **PAD982661381**

TSDF ARRIVAL TIME _____ REASON FOR DELAY _____
TSDF DEPARTURE TIME _____
DELAY TIME _____
FINISH TIME _____

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. **PAD085690592**
CONSIGNED TO **REPUBLIC ENV SYS (PA), INC.** ADDRESS **2869 SANDSTONE DRIVE**
CITY **HATFIELD** STATE **PA** ZIP **19440** PHONE **215 822-8995**

THIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL
PRINT NAME _____ SIGNATURE _____ DATE _____

White - GENERATOR FILE
Blue - TRANSPORTER FILE
Green - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)
Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE
Goldenrod - TSD FACILITY COPY

FORM #102 E
(Rev. 1/95)

877490171

REPUBLIC ENVIRONMENTAL SYSTEMS

Number 393297 1/2

2337 NORTH PENN ROAD
HATFIELD PA 19440

DATE OF PICKUP 5-11-95 EPA IDENTIFICATION CODE NO. NJD001315282
 GENERATOR NAPP CHEMICALS INC ADDRESS 199 MAIN STREET
LODI STATE NJ ZIP 07644 PHONE 201 773-3900
 TACT: BOB LOEWENSTEIN BROKER:

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit Wt./Vol.	Waste No.
	No.	Type			
NON DOT/RCRA HAZ SLUDGE NOT DOT REGULATED	2	DM	700	P	N/A
(D002) WASTE ACETIC ANHYDRIDE, 8, UN1715 REG 1	1	DM	55	G	D002

Additional Information/Lab Code

Emergency Phone#

WD12593 S01

4030/00

TRACT/PO NO. H
 OF OVERPACKS USED
 ART TIME 5:30 A
 RIVAL AT CUSTOMER 8:00 A
 PARTED CUSTOMER 1:15 PM
 Y TIME 5:25 PM

SPECIAL INSTRUCTIONS / REASONS FOR DELAY

MAKE UP LABELS
ADD LONG ITEMS OVERPACK + LOAD + LABEL
DRUMS DO NOT HAVE GEL SIGNATURES

GENERATOR CERTIFICATION:

I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations. I so certify that all times listed above are true and correct.

Print Name X Keith Terraneo Signature X Keith Terraneo Date 5-11-95

CTOR # 30 TRAILER# 3900 BOX SPOTTED# BOX PICKED UP# LINER

NSPORTER #1 PHONE NUMBER 215 822-8995

IPANY REPUBLIC ENV. SYS. (PA) EPA ID NO. PAD085690592

IT NAME JOHN TIBBS SIGNATURE [Signature] DATE 5-11-95

NSPORTER #2 PHONE NUMBER 215 822-2676

PANY REPUBLIC ENV SYS (TRANS GROUP) EPA ID NO. PAD982661381

IT NAME SIGNATURE DATE

ARRIVAL TIME REASON FOR DELAY
 DEPARTURE TIME
 Y TIME
 SH TIME

SIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. PAD085690592

SIGNED TO REPUBLIC ENV SYS (PA), INC. ADDRESS 2869 SANDSTONE DRIVE
HATFIELD STATE PA ZIP 19440 PHONE 215 822-8995

IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL
 NAME SIGNATURE DATE

- GENERATOR FILE
 TRANSPORTER FILE
 - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)
 Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE
 Goldenrod - TSD FACILITY COPY

877490172

FORM #102 B
 (Rev. 1/95)

AD38108

D. Waste Information

Common Name of Waste FLUORESEN + ACETIC ANHYDRIDE MIX

Detailed Description of Process Generating Waste. (A detailed description must be provided, attach additional sheet if necessary)

In process of making fluorocarbon, acetic anhydride is added to form reaction. During this process, reaction did not take place and 90-95% acetic anhydride is left in solution.

Raw materials used in process: ACETIC ANHYDRIDE, ACETIC ACID

E. Regulatory Information

	Yes	No	Comments
1) Is this a US EPA hazardous waste?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
2) Is this a US EPA listed hazardous waste, or derived from a listed source? (F, K, U, P)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
3) Is this a PCB waste regulated by TSCA? (Is PCB > 50 ppm or derived from source > 50 ppm)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
4) Is this a State Hazardous Waste?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
5) Is this waste generated from a CERCLA cleanup action?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
6) Is this a Dioxin bearing waste as per 40 CFR part 261.31?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
7) Is this waste infectious or medical waste?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
8) Is this waste radioactive?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
9) Is this waste explosive?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
10) Does this waste contain debris? (If yes, please list type & percentage in section F)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
11) Does this waste contain metallic fines/powders?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
12) Does this waste contain asbestos? (If yes, define type) Friable <input type="checkbox"/> , Non-Friable <input type="checkbox"/>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
13) Does this waste contain solvents or volatile organic compounds? (If yes, provide specific constituents)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
14) Is this waste subject to Benzene NESHAP regulation? (> 10 ppm, benzene by weight)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

F. Chemical Composition

List all hazardous and non-hazardous constituents. (Trade names are not acceptable)

	FLUORESEN	Minimum %	Average %	Maximum %
1	<u>FLUORESEN</u>	<u>5</u>	<u>5</u>	<u>10</u>
2	<u>ACETIC ANHYDRIDE</u>	<u>90</u>		<u>95</u>
3				
4				
5				
6				
7				

Total (Must add up to 100%)

G. Physical Characteristics Of Waste

Solvents/Oils/(Optional)

Color	Specific Gravity	Ignitability	Corrosivity (pH)	Reactivity	Physical State 70° F	Caloric Content BTU/lb
<u>BLACK</u>	<input type="checkbox"/> <0.8 <input checked="" type="checkbox"/> 0.8-1.0 <input type="checkbox"/> 1.0-1.2 <input type="checkbox"/> >1.2	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no Flash Point: <input type="checkbox"/> <70° F <input type="checkbox"/> 70° F-100° F <input type="checkbox"/> 101° F-180° F <input checked="" type="checkbox"/> ≥ 140° F	<input checked="" type="checkbox"/> ≤ 2.0 <input type="checkbox"/> 2.01-4 <input type="checkbox"/> 5-9 <input type="checkbox"/> 9-12.49 <input type="checkbox"/> ≥ 12.50	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Unstable <input type="checkbox"/> Water reactive <input type="checkbox"/> Cyanide <input type="checkbox"/> Sulfide <input type="checkbox"/> Explosive <input type="checkbox"/> Generates toxic fumes <input type="checkbox"/> Other	<input type="checkbox"/> Liq/Solid mixture <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Semi-solid <input type="checkbox"/> Powder <input type="checkbox"/> Slayer <input type="checkbox"/> MUDSlayer <input checked="" type="checkbox"/> Single layer % Free liquids <u>100</u> % Total solids Pumpable? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	% Halogens % Ash % Water % Solids
Describe: <input checked="" type="checkbox"/> NONE <input type="checkbox"/> MILD <input type="checkbox"/> STRONG	Viscosity: <input checked="" type="checkbox"/> Low <input type="checkbox"/> High <input type="checkbox"/> Medium	Actual:	Actual pH:			

877490173

AD38108

H. Heavy Metals

☒ Total ☐ TCLP

(In parts per million)

Based on:
Generator knowledge ☒
Analysis ☐

Actual

D004 Arsenic ☒ < 5
 D005 Barium ☒ < 100
 D006 Cadmium ☒ < 1
 D007 Chromium ☒ < 5
 D008 Lead ☒ < 5
 D009 Mercury ☒ < 0.2
 D010 Selenium ☒ < 1
 D011 Silver ☒ < 5

Copper

Nickel

Zinc

Other (s):

J. Other Components (parts per million)

Cyanides, Total N/A Amenable Cyanide N/A
 Sulfides, Total + Reactive Sulfide +
 Pesticides + Herbicides +
 Ammonia + PCB's, Total +
 HOC's, Total + VOC's, Total +
 OSHA Carcinogens +

Other Hazardous Ingredients

I. Toxicity Characteristic Organics

☒ Total ☐ TCLPBased on: Generator knowledge ☒
Analysis ☐

(In parts per million)

Actual

D012 Endrin ☒ < 0.02
 D013 Lindane ☒ < 0.4
 D014 Methoxychlor ☒ < 10.0
 D015 Toxaphene ☒ < 0.5
 D016 2, 4 D ☒ < 10.0
 D017 Silvex (2, 4, 6-TP) ☒ < 1.0
 D018 Benzene ☒ < 0.5
 D019 Carbon Tetrachloride ☒ < 0.5
 D020 Chlordane ☒ < 0.03
 D021 Chlorobenzene ☒ < 100
 D022 Chloroform ☒ < 6.0
 D023 O-Cresol ☒ < 200
 D024 M-Cresol ☒ < 200
 D025 P-Cresol ☒ < 200
 D026 Cresols ☒ < 200
 D027 1, 4 Dichlorobenzene ☒ < 7.5
 D028 1, 2 Dichloroethane ☒ < 0.5
 D029 1, 1 Dichloroethylene ☒ < 0.7
 D030 2, 4 Dinitrotoluene ☒ < 0.13
 D031 Heptachlor ☒ < 0.008
 D032 Hexachlorobenzene ☒ < 0.13
 D033 Hexachlorobutadiene ☒ < 0.5
 D034 Hexachloroethane ☒ < 3.0
 D035 Methyl Ethyl Ketone ☒ < 200
 D036 Nitrobenzene ☒ < 2.0
 D037 Pentachlorophenol ☒ < 100
 D038 Pyridine ☒ < 5.0
 D039 Tetrachloroethylene ☒ < 0.7
 D040 Trichloroethylene ☒ < 0.5
 D041 2, 4, 5 Trichlorophenol ☒ < 400
 D042 2, 4, 6 Trichlorophenol ☒ < 2.0
 D043 Vinyl Chloride ☒ < 0.2

K. Land Disposal Restrictions

- 1) Is waste subject to land ban? ☒ Yes ☐ No
 If yes, complete enclosed LDR form.
☒ Restricted waste requires treatment
☐ Waste meets treatment standards
☐ Waste subject to variance. Effective until _____ (date)

2) Is waste a wastewater or non-wastewater ☐3) Is waste a debris? ☐ Yes ☒ No4) Is waste a soil? ☐ Yes ☒ No

5) Identify all waste subcategories and underlying hazardous constituents (UHC):

L. Shipping and Handling

- 1) Shipping mode: Bulk Liquid ☐ Bulk Solid ☐ Drums ☒ Other ☐
 2) Bulk Container Type: Vac Truck ☐ Tank Truck ☐ Dump Trailer ☐ Roll Off ☐ Other _____
 3) Drum Container Type: Fibre ☐ Poly ☒ Closed Head Steel ☐ Open Head Steel ☐ Other _____ Size 55 gallon
 4) Frequency: One Time ☐ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly ☒ Other _____
 5) Volume per shipment: Drums 20 Gallons _____ Ton/Yards _____
 6) DOT Hazardous: Yes ☒ No ☐ Marine Pollutant Yes ☐ No ☐ Poison Inhalation Hazard? Yes ☐ No ☐
 7) DOT Shipping Name: WASTE ACETIC ANHYDRIDE Technical Constituents: _____
 8) DOT ID #: UNNA 1715 RQ # _____ 9) Packaging Group: II 10) Hazard Class: 8
 11) EPA/State Hazardous Waste Number(s): (D, K, F, U, P) 0002

Generator Certification

A representative sample of the waste stream was obtained using an EPA approved method and corresponds to the information on this profile.

I hereby certify that the above and attached description is complete and accurate and that no deliberate or willful omissions of compositions or properties exists, and that all known or suspected hazards have been disclosed.

Generator's Authorized Signatory:

[Signature] Title Materials Mgr Date 3/23/95

877490174

WD 38178

Virgin left near product from site above.

E. Regulatory Information

- | | | | Comments |
|--|---|--|----------|
| 1) Is this a US EPA hazardous waste? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| 2) Is this a US EPA listed hazardous waste, or derived from a listed source? (F, K, U, P) | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| 3) Is this a PCB waste regulated by TSCA? (Is PCB > 50 ppm or derived from source > 50 ppm) | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| 4) Is this a State Hazardous Waste? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| 5) Is this waste generated from a CERCLA cleanup action? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| 6) Is this a Dioxin bearing waste as per 40 CFR part 261.31? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| 7) Is this waste infectious or medical waste? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| 8) Is this waste radioactive? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| 9) Is this waste explosive? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| 10) Does this waste contain debris? (If yes, please list type & percentage in section F) | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| 11) Does this waste contain metallic fines/powders? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| 12) Does this waste contain asbestos?
(If yes, define type) Friable <input type="checkbox"/> , Non-Friable <input type="checkbox"/> | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| 13) Does this waste contain solvents or volatile organic compounds? (If yes, provide specific constituents) | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | |
| 14) Is this waste subject to Benzene NESHAP regulation? (> 10 ppm, benzene by weight) | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |

List all hazardous and non-hazardous constituents. (Trade names are not acceptable)

	Minimum %	Average %	Maximum %
1 PHENOXYETHANOL	0	92	
2 ETHANOL, 2-(2-PHENOXYETHOXY) -	0	8	
3 (DIETHYLENE GLYCOL MONOPHEN			
4 Benzaldehyde	0		100
5			
6			
7			

Total (Must add up to 100%)

Solvents/Oils/(Optional)

Color <u>Yellow</u> Odor <input type="checkbox"/> NONE <input checked="" type="checkbox"/> MILD <input type="checkbox"/> STRONG Describe: <u>ROSE</u>	Specific Gravity <input type="checkbox"/> <0.8 <input type="checkbox"/> $0.8-1.0$ <input type="checkbox"/> $1.0-1.2$ <input type="checkbox"/> >1.2 Viscosity <input checked="" type="checkbox"/> Low <input type="checkbox"/> High <input type="checkbox"/> Medium	Ignitability <input type="checkbox"/> yes <input checked="" type="checkbox"/> no Flash Point <input type="checkbox"/> $<70^{\circ} F$ <input type="checkbox"/> $70^{\circ} F-100^{\circ} F$ <input type="checkbox"/> $101^{\circ} F-150^{\circ} F$ <input checked="" type="checkbox"/> $\geq 140^{\circ} F$ Acid:	Corrosivity (pH) <input type="checkbox"/> ≤ 2.0 <input checked="" type="checkbox"/> $2.01-6$ <input type="checkbox"/> $6-9$ <input type="checkbox"/> ≥ 12.49 <input type="checkbox"/> ≥ 12.50 Actual pH:	Reactivity <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Unstable <input type="checkbox"/> Water reactive <input type="checkbox"/> Cyanide <input type="checkbox"/> Sulfide <input type="checkbox"/> Explosive <input type="checkbox"/> Generates toxic fumes <input type="checkbox"/> Other _____	Physical State 70° F <input type="checkbox"/> Gas/Volatile <input type="checkbox"/> Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Semi-solid <input type="checkbox"/> Powder <input type="checkbox"/> Blended <input type="checkbox"/> Multi-layer <input checked="" type="checkbox"/> Single layer % Free liquid <u>100</u> % Total solids _____ Purifiable? % yes <input type="checkbox"/> <input type="checkbox"/> no	Caloric Content BTU/Lb % Halogens _____ % Ash _____ % Water _____ % Solids _____
---	---	---	---	--	---	---

877490175

WD38236

D. Waste InformationCommon Name of Waste WATER, FLUORESCEN, + NaOH

Detailed Description of Process Generating Waste. (A detailed description must be provided, attach additional sheets if necessary)

NaOH and water came in contact in Fluorescein and is deemed for disposal

Raw materials used in process:

E. Regulatory Information

	Yes	No	Comments
1) Is this a US EPA hazardous waste?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
2) Is this a US EPA listed hazardous waste, or derived from a listed source? (F, K, U, P)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
3) Is this a PCB waste regulated by TSCA? (Is PCB > 50 ppm or derived from source > 50 ppm)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
4) Is this a State Hazardous Waste?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
5) Is this waste generated from a CERCLA cleanup action?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
6) Is this a Dioxin bearing waste as per 40 CFR part 261.317?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
7) Is this waste infectious or medical waste?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
8) Is this waste radioactive?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
9) Is this waste explosive?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
10) Does this waste contain debris? (If yes, please list type & percentage in section F)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
11) Does this waste contain metallic fines/powders?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
12) Does this waste contain asbestos? (If yes, define type) Friable <input type="checkbox"/> , Non-Friable <input type="checkbox"/>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
13) Does this waste contain solvents or volatile organic compounds? (If yes, provide specific constituents)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
14) Is this waste subject to Benzene NESHAP regulation? (>10 ppm, benzene by weight)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

F. Chemical Composition

List all hazardous and non-hazardous constituents. (Trade names are not acceptable)

	Minimum %	Average %	Maximum %
1 <u>WATER</u>	<u>25</u>		<u>95</u>
2 <u>FLUORESCEN</u>	<u>1</u>		<u>5</u>
3 <u>NaOH</u>	<u>5</u>		<u>10</u>
4			
5			
6			
7			

Total (Must add up to 100%)

G. Physical Characteristics Of Waste

Solvents/Oils (Optional)

Color	Specific Gravity	Volatility	Corrosivity	Reactivity	Physical State 70° F	Odor Concentration BTU/lb
<u>Brown</u>	<input checked="" type="checkbox"/> 0.8 <input type="checkbox"/> 0.8-1.0 <input type="checkbox"/> 1.0-1.2 <input type="checkbox"/> >1.2	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no Flash Point <input type="checkbox"/> <70° F <input type="checkbox"/> 70° F-100° F <input checked="" type="checkbox"/> 101° F-150° F <input type="checkbox"/> >150° F	<input type="checkbox"/> 2.0 <input type="checkbox"/> 2.01-5 <input type="checkbox"/> 5-9 <input checked="" type="checkbox"/> 9-12.49 <input type="checkbox"/> ≥12.50	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Unstable <input type="checkbox"/> Water reactive <input type="checkbox"/> Oxidizer <input type="checkbox"/> Inhibitor <input type="checkbox"/> Explosive <input type="checkbox"/> Self-heating <input type="checkbox"/> Polymerizable <input type="checkbox"/> Other	<input type="checkbox"/> Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Semi-solid <input type="checkbox"/> Powder <input type="checkbox"/> Slurry <input type="checkbox"/> Multi-layer <input type="checkbox"/> Single layer % Free Solids <u>90</u> % Total Solids Pumpability <input type="checkbox"/> yes <input type="checkbox"/> no	% Hydrogen % Ash % Water % Solids
Color <input checked="" type="checkbox"/> NONE <input type="checkbox"/> MILD <input type="checkbox"/> STRONG	Viscosity <input type="checkbox"/> Low <input type="checkbox"/> High	Actual	Actual pH			

877490176

WD38236

H. Heavy Metals

☒ Total ☐ TCLPBased on:
Generator knowledge ☒
Analysis ☐

(In parts per million)

Actual

D004 Arsenic ☒ < 5
 D005 Barium ☒ < 100
 D006 Cadmium ☒ < 1
 D007 Chromium ☒ < 5
 D008 Lead ☒ < 5
 D009 Mercury ☒ < 0.2
 D010 Selenium ☒ < 1
 D011 Silver ☒ < 5
 Copper _____
 Nickel _____
 Zinc _____
 Other (s): _____

J. Other Components (parts per million)

Cyanides, Total N/A Amenable Cyanide N/A
 Sulfides, Total 1 Reactive Sulfide 1
 Pesticides 1 Herbicides 1
 Ammonia 1 PCB's, Total 1
 HOC'S, Total 1 VOC's, Total 1
 OSHA Carcinogens _____

Other Hazardous Ingredients _____

I. Toxicity Characteristic Organics

☒ Total ☐ TCLPBased on: Generator knowledge ☒
Analysis ☐

(In parts per million)

Actual

D012 Endrin ☒ < 0.02
 D013 Lindane ☒ < 0.4
 D014 Methoxychlor ☒ < 10.0
 D015 Toxaphene ☒ < 0.5
 D016 2, 4 D ☒ < 10.0
 D017 Silvex (2, 4, 5-TP) ☒ < 1.0
 D018 Benzene ☒ < 0.5
 D019 Carbon Tetrachloride ☒ < 0.5
 D020 Chlordane ☒ < 0.03
 D021 Chlorobenzene ☒ < 100
 D022 Chloroform ☒ < 5.0
 D023 O-Cresol ☒ < 200
 D024 M-Cresol ☒ < 200
 D025 P-Cresol ☒ < 200
 D026 Cresols ☒ < 200
 D027 1, 4 Dichlorobenzene ☒ < 7.5
 D028 1, 2 Dichloroethane ☒ < 0.5
 D029 1, 1 Dichloroethylene ☒ < 0.7
 D030 2, 4 Dinitrotoluene ☒ < 0.13
 D031 Heptachlor ☒ < 0.008
 D032 Hexachlorobenzene ☒ < 0.13
 D033 Hexachlorobutadiene ☒ < 0.5
 D034 Hexachloroethane ☒ < 3.0
 D035 Methyl Ethyl Ketone ☒ < 200
 D036 Nitrobenzene ☒ < 2.0
 D037 Pentachlorophenol ☒ < 100
 D038 Pyridine ☒ < 5.0
 D039 Tetrachloroethylene ☒ < 0.7
 D040 Trichloroethylene ☒ < 0.5
 D041 2, 4, 5 Trichlorophenol ☒ < 400
 D042 2, 4, 6 Trichlorophenol ☒ < 2.0
 D043 Vinyl Chloride ☒ < 0.2

K. Land Disposal Restrictions

- 1) Is waste subject to land ban? ☒ Yes ☐ No
 If yes, complete enclosed LDR form.
☒ Restricted waste requires treatment
☐ Waste meets treatment standards
☐ Waste subject to variance. Effective until _____ (date)

2) Is waste a wastewater or non-wastewater ☒3) Is waste a debris? ☐ Yes ☒ No4) Is waste a soil? ☐ Yes ☒ No

5) Identify all waste subcategories and underlying hazardous constituents (UHC): _____

L. Shipping and Handling

- 1) Shipping mode: Bulk Liquid ☐ Bulk Solid ☐ Drums ☒ Other ☐
 2) Bulk Container Type: Vac Truck ☐ Tank Truck ☐ Dump Trailer ☐ Roll Off ☐ Other _____ Size SS
 3) Drum Container Type: Fibre ☐ Poly ☒ Closed Head Steel ☐ Open Head Steel ☐ Other _____
 4) Frequency: One Time ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly ☐ Other _____
 5) Volume per shipment: Drums 2 Gallons _____ Ton/Yards _____
 6) DOT Hazardous: Yes ☒ No ☐ Marine Pollutant Yes ☐ No ☒ Poison Inhalation Hazard? Yes ☐ No ☒
 7) DOT Shipping Name: HAZARDOUS WASTE Technical Constituents: _____
 8) DOT ID #: UN3077 RO # _____ 9) Packaging Group: II 10) Hazard Class: 8
 11) EPA/State Hazardous Waste Numbers: (D, K, F, U, P) 2992

Generator Certification

A representative sample of the waste stream was obtained using an EPA approved method and corresponds to the information on this profile.

I hereby certify that the above and attached description is complete and accurate and that no deliberate or willful omissions or compositions or properties exists, and that all known or suspected hazards have been disclosed.

Generator's Authorized Signatory: _____

Title

Materials Manager

Date

5/2/95

877490177

AD38235

D. Waste Information

Common Name of Waste HMDA IPA WASTE

Detailed Description of Process Generating Waste. (A detailed description must be provided, attach additional sheets if necessary)

Intermediate used in producing diis, hexamethylene diamine, IPA, and water are all mixed together to form the intermediate, since pure organic intermediates can not be used.

Raw materials used in process:

E. Regulatory Information

	Yes	No	Comments
1) Is this a US EPA hazardous waste?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
2) Is this a US EPA listed hazardous waste, or derived from a listed source? (F, K, U, P)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
3) Is this a PCB waste regulated by TSCA? (Is PCB > 50 ppm or derived from source > 50 ppm)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
4) Is this a State Hazardous Waste?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
5) Is this waste generated from a CERCLA cleanup action?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
6) Is this a Dioxin bearing waste as per 40 CFR part 261.31?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
7) Is this waste infectious or medical waste?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
8) Is this waste radioactive?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
9) Is this waste explosive?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
10) Does this waste contain debris? (If yes, please list type & percentage in section F)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
11) Does this waste contain metallic fines/powders?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
12) Does this waste contain asbestos? (If yes, define type) Friable <input type="checkbox"/> , Non-Friable <input type="checkbox"/>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
13) Does this waste contain solvents or volatile organic compounds? (If yes, provide specific constituents)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
14) Is this waste subject to Benzene NESHAP regulation? (> 10 ppm, benzene by weight)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

F. Chemical Composition

List all hazardous and non-hazardous constituents. (Trade names are not acceptable)

	Minimum %	Average %	Maximum %
1 <u>HEXA METHYLENE DIAMINE</u>	<u>40</u>		<u>45</u>
2 <u>IPA</u>	<u>37</u>		<u>40</u>
3 <u>WATER</u>	<u>15</u>		<u>15</u>
4			
5			
6			
7			

Total (Must add up to 100%)

G. Physical Characteristics Of Waste

Solvents/Oils (Optional)

Color	Specific Gravity	Volatility	Corrosivity (pH)	Reactivity	Physical State 70° F	Caloric Content BTU/Lb
<u>Colorless</u>	<input checked="" type="checkbox"/> 0.8 <input type="checkbox"/> 0.8-1.0 <input type="checkbox"/> 1.0-1.2 <input type="checkbox"/> > 1.2	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Flash Point <input type="checkbox"/> -70° F <input type="checkbox"/> 70° F-100° F <input type="checkbox"/> 101° F-150° F <input type="checkbox"/> > 140° F	<input checked="" type="checkbox"/> < 2.0 <input type="checkbox"/> 2.01-4 <input type="checkbox"/> 4-6 <input type="checkbox"/> 6-12.00 <input type="checkbox"/> > 12.00	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unstable <input type="checkbox"/> Water reactive <input type="checkbox"/> Oxidizer <input type="checkbox"/> Reducer <input type="checkbox"/> Explosive <input type="checkbox"/> Gas evolves <input type="checkbox"/> Polymerizes <input type="checkbox"/> Other	<input type="checkbox"/> Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Semi-solid <input type="checkbox"/> Powder <input type="checkbox"/> Slurry <input type="checkbox"/> Multi-layer <input type="checkbox"/> Single layer % Free Solids <u>0</u> % Total Solids <u>0</u> Pumpable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	% Hydrogen % Ash % Water % Solids
Describe: <u>A Clear</u>	Viscosity: <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High	Actual:	Actual pH:			

AD38235

H. Heavy Metals

☒ Total ☐ TCLPBased on:
Generator knowledge ☒
Analysis ☐

(In parts per million)

Actual

D004 Arsenic ☒ < 5 _____
 D005 Barium ☒ < 100 _____
 D006 Cadmium ☒ < 1 _____
 D007 Chromium ☒ < 5 _____
 D008 Lead ☒ < 5 _____
 D009 Mercury ☒ < 0.2 _____
 D010 Selenium ☒ < 1 _____
 D011 Silver ☒ < 5 _____
 Copper _____
 Nickel _____
 Zinc _____
 Other (s): _____

J. Other Components

(parts per million)

Cyanides, Total N/D Amenable Cyanide N/D
 Sulfides, Total _____ Reactive Sulfide _____
 Pesticides _____ Herbicides _____
 Ammonia _____ PCB's, Total _____
 HOC's, Total _____ VOC's, Total 1-3%
 OSHA Carcinogens _____

Other Hazardous Ingredients _____

I. Toxicity Characteristic Organics

☒ Total ☐ TCLPBased on: Generator knowledge ☒
Analysis ☐

(In parts per million)

Actual

D012 Endrin ☒ < 0.02 _____
 D013 Lindane ☒ < 0.4 _____
 D014 Methoxychlor ☒ < 10.0 _____
 D015 Toxaphene ☒ < 0.5 _____
 D016 2, 4 D ☒ < 10.0 _____
 D017 Silvex (2, 4 5-TP) ☒ < 1.0 _____
 D018 Benzene ☒ < 0.5 _____
 D019 Carbon Tetrachloride ☒ < 0.5 _____
 D020 Chlordane ☒ < 0.03 _____
 D021 Chlorobenzene ☒ < 100 _____
 D022 Chloroform ☒ < 0.0 _____
 D023 O-Cresol ☒ < 200 _____
 D024 M-Cresol ☒ < 200 _____
 D025 P-Cresol ☒ < 200 _____
 D026 Cresols ☒ < 200 _____
 D027 1, 4 Dichlorobenzene ☒ < 7.5 _____
 D028 1, 2 Dichloroethane ☒ < 0.5 _____
 D029 1, 1 Dichloroethylene ☒ < 0.7 _____
 D030 2, 4 Dinitrotoluene ☒ < 0.13 _____
 D031 Heptachlor ☒ < 0.008 _____
 D032 Hexachlorobenzene ☒ < 0.13 _____
 D033 Hexachlorobutadiene ☒ < 0.5 _____
 D034 Hexachloroethane ☒ < 0.0 _____
 D035 Methyl Ethyl Ketone ☒ < 200 _____
 D036 Nitrobenzene ☒ < 2.0 _____
 D037 Pentachlorophenol ☒ < 100 _____
 D038 Pyridine ☒ < 5.0 _____
 D039 Tetrachloroethylene ☒ < 0.7 _____
 D040 Trichloroethylene ☒ < 0.8 _____
 D041 2, 4, 6 Trichlorophenol ☒ < 400 _____
 D042 2, 4, 6 Trichlorophenol ☒ < 2.0 _____
 D043 Vinyl Chloride ☒ < 0.2 _____

K. Land Disposal Restrictions

1) Is waste subject to land ban? ☒ Yes ☐ No

If yes, complete enclosed LDR form.

☒ Restricted waste requires treatment☐ Waste meets treatment standards☐ Waste subject to variance. Effective until _____ (date)2) Is waste a wastewater or non-wastewater ☒3) Is waste a debris? ☐ Yes ☒ No4) Is waste a soil? ☐ Yes ☒ No

5) Identify all waste subcategories and underlying hazardous constituents (UHC): _____

L. Shipping and Handling

1) Shipping mode: Bulk Liquid ☐ Bulk Solid ☐ Drums ☒ Other ☐2) Bulk Container Type: Vac Truck ☐ Tank Truck ☐ Dump Trailer ☐ Roll Off ☐ Other _____3) Drum Container Type: Fibre ☐ Poly ☒ Closed Head Steel ☐ Open Head Steel ☐ Other _____ Size 55 gal4) Frequency: One Time ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly ☐ Other _____5) Volume per shipment: Drums 11 Gallons _____ Ton/Yards _____6) DOT Hazardous: Yes ☒ No ☐ Marine Pollutant Yes ☐ No ☒ Poison Inhalation Hazard? Yes ☐ No ☒7) DOT Shipping Name: WASTE - MIXED SOLIDS, LIQUIDS, GASES, REMAINS TECHNICAL CONSTITUENTS8) DOT ID #: 00NA 2920 HQ # _____ 9) Packaging Group: II 10) Hazard Class: 311) EPA/State Hazardous Waste Number(s) (D, K, F, U, P): 0001, 0002

Generator Certification

A representative sample of the waste stream was obtained using an EPA approved method and corresponds to the information on this profile.

I hereby certify that the above and attached description is complete and accurate and that no deliberate or willful omissions, compositions or properties exists, and that all known or suspected hazards have been disclosed.

Generator's Authorized Signatory: _____

Title

Materials MGR

Date

5/9/95

877490179

AD38234

D. Waste Information

Common Name of Waste IPA, METHANOL, + WATER

Detailed Description of Process Generating Waste. (A detailed description must be provided, attach additional sheets if necessary)

Recover IPA + methanol from distillation process. Material becomes contaminated with water and is discarded for disposal.

Raw materials used in process:

E. Regulatory Information

	Yes	No	Comments
1) Is this a US EPA hazardous waste?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
2) Is this a US EPA listed hazardous waste, or derived from a listed source? (F, K, U, P)	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
3) Is this a PCB waste regulated by TSCA? (Is PCB > 50 ppm or derived from source > 50 ppm)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
4) Is this a State Hazardous Waste?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
5) Is this waste generated from a CERCLA cleanup action?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
6) Is this a Dioxin bearing waste as per 40 CFR part 261.317	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
7) Is this waste infectious or medical waste?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
8) Is this waste radioactive?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
9) Is this waste explosive?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
10) Does this waste contain debris? (If yes, please list type & percentage in section F)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
11) Does this waste contain metallic fines/powders?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
12) Does this waste contain asbestos? (If yes, define type) Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
13) Does this waste contain solvents or volatile organic compounds? (If yes, provide specific constituents)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
14) Is this waste subject to Benzene NESHAP regulation? (> 10 ppm, benzene by weight)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

F. Chemical Composition

List all hazardous and non-hazardous constituents. (Trade names are not acceptable)

	Minimum %	Average %	Maximum %
1 <u>IPA</u>	0		95
2 <u>METHANOL</u>	0		95
3 <u>WATER</u>	5		10
4			
5			
6			
7			

Total (Must add up to 100%)

G. Physical Characteristics Of Waste

Color	Specific Gravity	Volatility	Concentration (%)	Reactivity	Physical State 70° F	Caloric Content BTU/lb
<u>Color</u> NONE MILD STRONG	<input checked="" type="checkbox"/> <0.8 <input type="checkbox"/> 0.8-1.0 <input type="checkbox"/> 1.0-1.2 <input type="checkbox"/> >1.2	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no Flash Point: <input type="checkbox"/> <70° F <input type="checkbox"/> 70° F-100° F <input type="checkbox"/> 101° F-150° F <input type="checkbox"/> >150° F	<input type="checkbox"/> 1-2.0 <input type="checkbox"/> 2.01-5 <input type="checkbox"/> 5-8 <input type="checkbox"/> 8-12.40 <input type="checkbox"/> >12.40	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no Unstable Water reactive Oxidize Inhibit Explosive Corrosive toxic Acidic Other	<input type="checkbox"/> Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Slurry <input type="checkbox"/> Paste <input type="checkbox"/> Powder <input type="checkbox"/> Single layer <input type="checkbox"/> Multiple layer % Free liquid <u>100</u> % Total solids Pumpable? <input type="checkbox"/> yes <input type="checkbox"/> no	% Hydrogen % Ash % Water % Solids
Describe: <u>ALCOHOL</u>	Viscosity: <input checked="" type="checkbox"/> Low <input type="checkbox"/> High <input type="checkbox"/> Medium	Actual:	Actual pH:			

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WD 38178

H. Heavy Metals

☒ Total ☐ TCLPBased on:
Generator knowledge ☒
Analysis ☐

	(In parts per million)	Actual
D004 Arsenic	<input checked="" type="checkbox"/> < 5	
D005 Barium	<input checked="" type="checkbox"/> < 100	
D006 Cadmium	<input checked="" type="checkbox"/> < 1	
D007 Chromium	<input checked="" type="checkbox"/> < 5	
D008 Lead	<input checked="" type="checkbox"/> < 5	
D009 Mercury	<input checked="" type="checkbox"/> < 0.2	
D010 Selenium	<input checked="" type="checkbox"/> < 1	
D011 Silver	<input checked="" type="checkbox"/> < 5	
Copper		
Nickel		
Zinc		
Other (s):		

J. Other Components (parts per million)

Cyanides, Total	<u>N/A</u>	Amenable Cyanide	<u>N/A</u>
Sulfides, Total	<u>1</u>	Reactive Sulfide	<u>1</u>
Pesticides	<u>1</u>	Herbicides	<u>1</u>
Ammonia	<u>1</u>	PCB's, Total	<u>1</u>
HOC'S, Total	<u>1</u>	VOC's, Total	<u>1-2%</u>
OSHA Carcinogens			

Other Hazardous Ingredients

I. Toxicity Characteristic Organics

☒ Total ☐ TCLPBased on: Generator knowledge ☒
Analysis ☐

	(In parts per million)	Actual
D012 Endrin	<input checked="" type="checkbox"/> < 0.02	
D013 Lindane	<input checked="" type="checkbox"/> < 0.4	
D014 Methoxychlor	<input checked="" type="checkbox"/> < 10.0	
D015 Toxaphene	<input checked="" type="checkbox"/> < 0.5	
D016 2, 4 D	<input checked="" type="checkbox"/> < 10.0	
D017 Silvex (2, 4, 5-TP)	<input checked="" type="checkbox"/> < 1.0	
D018 Benzene	<input checked="" type="checkbox"/> < 0.5	
D019 Carbon Tetrachloride	<input checked="" type="checkbox"/> < 0.5	
D020 Chlordane	<input checked="" type="checkbox"/> < 0.03	
D021 Chlorobenzene	<input checked="" type="checkbox"/> < 100	
D022 Chloroform	<input checked="" type="checkbox"/> < 8.0	
D023 O-Cresol	<input checked="" type="checkbox"/> < 200	
D024 M-Cresol	<input checked="" type="checkbox"/> < 200	
D025 P-Cresol	<input checked="" type="checkbox"/> < 200	
D026 Cresols	<input checked="" type="checkbox"/> < 200	
D027 1, 4 Dichlorobenzene	<input checked="" type="checkbox"/> < 7.5	
D028 1, 2 Dichloroethane	<input checked="" type="checkbox"/> < 0.5	
D029 1, 1 Dichloroethylene	<input checked="" type="checkbox"/> < 0.7	
D030 2, 4 Dinitrotoluene	<input checked="" type="checkbox"/> < 0.13	
D031 Heptachlor	<input checked="" type="checkbox"/> < 0.005	
D032 Hexachlorobenzene	<input checked="" type="checkbox"/> < 0.13	
D033 Hexachlorobutadiene	<input checked="" type="checkbox"/> < 0.13	
D034 Hexachloroethane	<input checked="" type="checkbox"/> < 3.0	
D035 Methyl Ethyl Ketone	<input checked="" type="checkbox"/> < 200	
D036 Nitrobenzene	<input checked="" type="checkbox"/> < 2.0	
D037 Pentachlorophenol	<input checked="" type="checkbox"/> < 100	
D038 Pyridine	<input checked="" type="checkbox"/> < 8.0	
D039 Tetrachloroethylene	<input checked="" type="checkbox"/> < 0.7	
D040 Trichloroethylene	<input checked="" type="checkbox"/> < 0.5	
D041 2, 4, 5 Trichlorophenol	<input checked="" type="checkbox"/> < 400	
D042 2, 4, 6 Trichlorophenol	<input checked="" type="checkbox"/> < 2.0	
D043 Vinyl Chloride	<input checked="" type="checkbox"/> < 0.2	

K. Land Disposal Restrictions

- 1) Is waste subject to land ban? ☐ Yes ☒ No
If yes, complete enclosed LDR form.
☐ Restricted waste requires treatment
☐ Waste meets treatment standards
☐ Waste subject to variance. Effective until _____ (date)

2) Is waste a wastewater or non-wastewater ☒3) Is waste a debris? ☐ Yes ☒ No4) Is waste a soil? ☐ Yes ☒ No

5) Identify all waste subcategories and underlying hazardous constituents (UHC):

L. Shipping and Handling

- 1) Shipping mode: Bulk Liquid ☐ Bulk Solid ☐ Drums ☒ Other ☐
2) Bulk Container Type: Vac Truck ☐ Tank Truck ☐ Dump Trailer ☐ Roll Off ☐ Other ☐
3) Drum Container Type: Fibre ☐ Poly ☐ Closed Head Steel ☐ Open Head Steel ☐ Other ☐ Size 55
4) Frequency: One Time ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly ☐ Other ☐
5) Volume per shipment: Drums 5 Gallons _____ Ton/Yards _____
6) DOT Hazardous: Yes ☐ No ☒ Marine Pollutant Yes ☐ No ☒ Poison Inhalation Hazard? Yes ☐ No ☒
7) DOT Shipping Name: Acid 1/23/95 U.S. CORROD Technical Constituents: _____
8) DOT ID #: UN/NA _____ RQ # _____ 9) Packaging Group: _____ 10) Hazard Class: Acid 1/23/95 U.S. CORROD
11) EPA/State Hazardous Waste Numbers: (D, K, F, U, P)

Generator Certification

A representative sample of the waste stream was obtained using an EPA approved method and corresponds to the information on this profile.

I hereby certify that the above and attached description is complete and accurate and that no deliberate or willful omissions of compositions or properties exists, and that all known or suspected hazards have been disclosed.

Generator's Authorized Signatory:

Matthew M. M. Title Materials Mgr Date 3/22/95

WD 38179

D. Waste Information

Common Name of Waste NON HAZARDOUS LIQUIDS FROM STREETSIDE Waste Water Treatment
 Detailed Description of Process Generating Waste. (A detailed description must be provided, attach additional sheets if necessary)

Waste water treatment products left over from site cleanup for disposal.

Raw materials used in process: _____

E. Regulatory Information

	Yes	No	Comments
1) Is this a US EPA hazardous waste?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
2) Is this a US EPA listed hazardous waste, or derived from a listed source? (F, K, U, P)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
3) Is this a PCB waste regulated by TSCA? (Is PCB > 50 ppm or derived from source > 50 ppm)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
4) Is this a State Hazardous Waste?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
5) Is this waste generated from a CERCLA cleanup action?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
6) Is this a Dioxin bearing waste as per 40 CFR part 261.31?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
7) Is this waste infectious or medical waste?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
8) Is this waste radioactive?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
9) Is this waste explosive?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
10) Does this waste contain debris? (If yes, please list type & percentage in section F)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
11) Does this waste contain metallic fines/powders?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
12) Does this waste contain asbestos? (If yes, define type) Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
13) Does this waste contain solvents or volatile organic compounds? (If yes, provide specific constituents)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
14) Is this waste subject to Benzene NESHAP regulation? (>10 ppm, benzene by weight)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

F. Chemical Composition

List all hazardous and non-hazardous constituents. (Trade names are not acceptable)

	Minimum %	Average %	Maximum %
1 <u>POLYETHYLENE GLYCOL</u>	0		100
2 <u>DIETHYLENE GLYCOL</u>	0		100
3 <u>DIETHYLENE GLYCOL</u>	0		100
4			
5			
6			
7			

Total (Must add up to 100%)

G. Physical Characteristics Of Waste

Solvents/Oils/(Optional)

Color	Specific Gravity	Volatility	Corrosivity (pH)	Reactivity	Physical State 70° F	Caloric Content BTU/lb
<u>Violet</u>	<input type="checkbox"/> <0.8 <input type="checkbox"/> 0.8-1.0 <input type="checkbox"/> 1.0-1.2 <input type="checkbox"/> >1.2	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no Flash Point <input type="checkbox"/> <70° F <input type="checkbox"/> 70° F-100° F <input type="checkbox"/> 101° F-150° F <input type="checkbox"/> >140° F	<input type="checkbox"/> <2.0 <input checked="" type="checkbox"/> 2.01-5 <input type="checkbox"/> 5-9 <input type="checkbox"/> 9-12.49 <input type="checkbox"/> >12.50	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Unstable <input type="checkbox"/> Water reactive <input type="checkbox"/> Cyanide <input type="checkbox"/> Sulfide <input type="checkbox"/> Explosive <input type="checkbox"/> Generates toxic fumes <input type="checkbox"/> Other	<input type="checkbox"/> Liq/Solid mixture <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Semi-solid <input type="checkbox"/> Powder <input type="checkbox"/> Slurry <input type="checkbox"/> Meltlayer <input type="checkbox"/> Single layer % Free liquids <u>100</u> % Total solids Purgeable? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	% Halogens % Ash % Water % Solids
Color <u>NONE</u> MILD STRONG	Viscosity <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High	Actual:	Actual pH:			
Describe: <u>ORGANIC</u>						

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WD38179

H. Heavy Metals

☒ Total ☐ TCLP

(In parts per million)

Based on:
Generator knowledge ☒
Analysis ☐

Actual

D004 Arsenic ☒ < 5
 D005 Barium ☒ < 100
 D006 Cadmium ☒ < 1
 D007 Chromium ☒ < 5
 D008 Lead ☒ < 5
 D009 Mercury ☒ < 0.2
 D010 Selenium ☒ < 1
 D011 Silver ☒ < 5
 Copper _____
 Nickel _____
 Zinc _____
 Other (s): _____

J. Other Components

(parts per million)

Cyanides, Total N/A Amenable Cyanide N/A
 Sulfides, Total — Reactive Sulfide —
 Pesticides — Herbicides —
 Ammonia — PCB's, Total —
 HOC'S, Total — VOC's, Total 0-2%
 OSHA Carcinogens —

Other Hazardous Ingredients _____

I. Toxicity Characteristic Organics

☒ Total ☐ TCLPBased on: Generator knowledge ☒
Analysis ☐

(In parts per million)

Actual

D012 Endrin ☒ < 0.02
 D013 Lindane ☒ < 0.4
 D014 Methoxychlor ☒ < 10.0
 D015 Toxaphene ☒ < 0.5
 D016 2, 4 D ☒ < 10.0
 D017 Silvex (2, 4 5-TP) ☒ < 1.0
 D018 Benzene ☒ < 0.5
 D019 Carbon Tetrachloride ☒ < 0.5
 D020 Chlordane ☒ < 0.03
 D021 Chlorobenzene ☒ < 100
 D022 Chloroform ☒ < 8.0
 D023 O-Cresol ☒ < 200
 D024 M-Cresol ☒ < 200
 D025 P-Cresol ☒ < 200
 D026 Cresols ☒ < 200
 D027 1, 4 Dichlorobenzene ☒ < 7.5
 D028 1, 2 Dichloroethane ☒ < 0.5
 D029 1, 1 Dichloroethylene ☒ < 0.7
 D030 2, 4 Dinitrotoluene ☒ < 0.13
 D031 Heptachlor ☒ < 0.008
 D032 Hexachlorobenzene ☒ < 0.13
 D033 Hexachlorobutadiene ☒ < 0.5
 D034 Hexachloroethane ☒ < 3.0
 D035 Methyl Ethyl Ketone ☒ < 200
 D036 Nitrobenzene ☒ < 2.0
 D037 Pentachlorophenol ☒ < 100
 D038 Pyridine ☒ < 5.0
 D039 Tetrachloroethylene ☒ < 0.7
 D040 Trichloroethylene ☒ < 0.5
 D041 2, 4, 5 Trichlorophenol ☒ < 400
 D042 2, 4, 6 Trichlorophenol ☒ < 2.0
 D043 Vinyl Chloride ☒ < 0.2

K. Land Disposal Restrictions

1) Is waste subject to land ban? ☐ Yes ☒ No

If yes, complete enclosed LDR form.

☐ Restricted waste requires treatment☐ Waste meets treatment standards☐ Waste subject to variance. Effective until _____ (date)2) Is waste a wastewater or non-wastewater ☒3) Is waste a debris? ☐ Yes ☒ No4) Is waste a soil? ☐ Yes ☒ No

5) Identify all waste subcategories and underlying hazardous constituents (UHC): _____

L. Shipping and Handling

1) Shipping mode: Bulk Liquid ☐ Bulk Solid ☐ Drums ☒ Other ☐2) Bulk Container Type: Vac Truck ☐ Tank Truck ☐ Dump Trailer ☐ Roll Off ☐ Other _____3) Drum Container Type: Fibre ☐ Poly ☒ Closed Head Steel ☒ Open Head Steel ☐ Other _____ Size 554) Frequency: One Time ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly ☐ Other _____5) Volume per shipment: Drums 5, Gallons _____, Ton/Yards _____6) DOT Hazardous: Yes ☐ No ☒ Marine Pollutant Yes ☐ No ☒ Poison Inhalation Hazard? Yes ☐ No ☒7) DOT Shipping Name: new materials Technical Constituents: _____8) DOT ID #: UNNA _____ RQ # _____ 9) Packaging Group: _____ 10) Hazard Class: new material11) EPA/State Hazardous Waste Number(s): (D, K, F, U, P) N/A

Generator Certification

A representative sample of the waste stream was obtained using an EPA approved method and corresponds to the information on this profile.

I hereby certify that the above and attached description is complete and accurate and that no deliberate or willful omissions or compositions or properties exists, and that all known or suspected hazards have been disclosed.

Generator's Authorized Signatory: _____

Title Materials Mgr Date 3/23/95

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WD23326

A. Generator InformationGenerator US EPA ID # AJD001315282Generator Napp chemicals inc.**Invoice Information (Broker)**Facility Address 199 main street

Company Name _____

City LAKE State VT Zip 07444

Contact _____ Phone _____

Mailing Address (if different) same

Address _____

City _____ State _____ Zip _____

City _____ State _____ Zip _____

Technical Contact Ark Lowenstein Title _____Phone 201-773-3900**B. Waste Information**Common Name for Waste oil Sweepings

Detailed Description of Process Generating Waste (Describe each step in process)

absorbant used to clean up (with) trace oil
spills on ground. very little oil, mostly
absorbant.

List raw materials used:

List Products Produced:

Is waste Dioxin bearing? ☐ Yes ☒ No Infectious? ☐ Yes ☒ No Radioactive? ☐ Yes ☒ No Explosive? ☐ Yes ☒ NoAnticipated Volume: 10m Frequency: _____ Current Volume on site: 10m

Have toxicity characteristic or other analysis been performed on this waste?

☐ No ☒ Yes (If yes, please attach copy of results)**C. Physical Characteristics of Waste**

Color Odor <input type="checkbox"/> NONE <input checked="" type="checkbox"/> MILD <input type="checkbox"/> STRONG Describe: _____	Specific Gravity <input type="checkbox"/> < 0.8 <input type="checkbox"/> 0.8-1.0 <input type="checkbox"/> 1.0-1.2 <input type="checkbox"/> > 1.2 Viscosity <input type="checkbox"/> Low <input type="checkbox"/> High <input type="checkbox"/> Medium	Ignitability <input type="checkbox"/> yes <input checked="" type="checkbox"/> no Flash Point <input type="checkbox"/> < 70°F <input type="checkbox"/> 70°F-100°F <input type="checkbox"/> 101°F-130°F <input checked="" type="checkbox"/> > 140°F Actual: _____	Corrosivity (pH) <input type="checkbox"/> ≤ 2.0 <input type="checkbox"/> 2.01-5 <input checked="" type="checkbox"/> 5-6 <input type="checkbox"/> 8-12.49 <input type="checkbox"/> ≥ 12.50 Actual pH: _____	Reactivity <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Unstable <input type="checkbox"/> Water reactive <input type="checkbox"/> Cyanide <input type="checkbox"/> Sulfide <input type="checkbox"/> Explosive <input type="checkbox"/> Generates toxic fumes	Physical State 70°F <input type="checkbox"/> Liquid <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Semi-solid <input type="checkbox"/> Powder <input type="checkbox"/> Bilayer <input type="checkbox"/> Multilayer % Free liquids _____ % Total solids <u>1.60</u> Pumpable? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no
--	--	--	--	--	---

D. Chemical Composition See MSDS.

(Must add up to 100%)

<u>absorbant sol. ds</u>	<u>100</u>	%
<u>oil - trace amt</u>		%
		%
		%
		%
		%
		%
		%

Is waste a commercial chemical product? ☐ Yes ☒ No
If yes attach MSDSIs waste a spill residue from a virgin commercial chemical product? ☐ Yes ☒ No
If yes attach MSDS

What industry is waste generated from?

Was a representative sample provided which matches the description on this form? ☐ Yes ☐ No**E. RCRA Characteristics**

- 1) Is this a US EPA hazardous waste? ☐ Yes ☒ No
- 2) Is waste an EPA Listed hazardous waste? ☐ Yes ☒ No
- 3) Does waste contain solvents? ☐ Yes ☒ No
If yes, specify: _____
- 4) Is waste a listed solvent as defined by 40 CFR 261.31 (F001, F002, F003, F004, F005)? ☐ Yes ☒ No
- 5) Does waste contain greater than 1,000 ppm Total HOCs, Halogenated Organic Compounds? ☐ Yes ☒ No
- 6) Does waste contain PCBs greater than 50 ppm or PCBs derived from a source greater than 50 ppm? ☐ Yes ☒ No

F. Fuel or Solvent Recycling (Optional)

Solvents/Oils % Halogens _____ % Sulfur _____ % Water _____ % Ash _____ % Suspended Solids _____ % B&AW _____	Caloric Content (BTU/lb. x 1000) <input type="checkbox"/> NONE <input type="checkbox"/> < 5 <input type="checkbox"/> 5-10 <input type="checkbox"/> 10-15 <input type="checkbox"/> > 15 Actual: _____	Total Metals (in ppm) Arsenic _____ Cadmium _____ Chromium _____ Lead _____ Total Metals _____
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WD 23326

G. Heavy Metals

<input type="checkbox"/> Total	<input type="checkbox"/> TCLP	<input type="checkbox"/> EP Toxicity	(in parts per million)	Actual
D004 Arsenic	<input checked="" type="checkbox"/> < 5	<input type="checkbox"/> < 500		
D005 Barium	<input checked="" type="checkbox"/> < 100			
D006 Cadmium	<input checked="" type="checkbox"/> < 1	<input type="checkbox"/> < 100		
D007 Chromium	<input checked="" type="checkbox"/> < 5			
D008 Lead	<input checked="" type="checkbox"/> < 5	<input type="checkbox"/> < 500		
D009 Mercury	<input checked="" type="checkbox"/> < 0.2	<input type="checkbox"/> < 20		
D010 Selenium	<input checked="" type="checkbox"/> < 1	<input type="checkbox"/> < 100		
D011 Silver	<input checked="" type="checkbox"/> < 5			
Hex-Chrome	<input type="checkbox"/> < 5	<input type="checkbox"/> < 500		
Copper	<input type="checkbox"/> < 25			
Nickel	<input type="checkbox"/> < 25	<input type="checkbox"/> < 134		
Thallium	<input type="checkbox"/> < 25	<input type="checkbox"/> < 130		
Zinc	<input type="checkbox"/> < 25			
Other	<input type="checkbox"/> < _____			
Other	<input type="checkbox"/> < _____			
Other	<input type="checkbox"/> < _____			

H. Toxicity Characteristic Organics ^{see attached}

<input type="checkbox"/> Total	<input type="checkbox"/> TCLP	(in parts per million)
D012 Endrin	<input checked="" type="checkbox"/> < 0.02	
D013 Lindane	<input checked="" type="checkbox"/> < 0.4	
D014 Methoxychlor	<input checked="" type="checkbox"/> < 100	
D015 Toxaphene	<input checked="" type="checkbox"/> < 0.5	
D016 2, 4 D	<input checked="" type="checkbox"/> < 10.0	
D017 Silvex (2, 4, 6-TP)	<input checked="" type="checkbox"/> < 1.0	
D018 Benzene	<input checked="" type="checkbox"/> < 0.5	
D019 Carbon Tetrachloride	<input checked="" type="checkbox"/> < 0.5	
D020 Chlordane	<input checked="" type="checkbox"/> < 0.03	
D021 Chlorobenzene	<input checked="" type="checkbox"/> < 100	
D022 Chloroform	<input checked="" type="checkbox"/> < 6.0	
D023 O-Cresol	<input checked="" type="checkbox"/> < 200	
D024 M-Cresol	<input checked="" type="checkbox"/> < 200	
D025 P-Cresol	<input checked="" type="checkbox"/> < 200	
D026 Creosole	<input checked="" type="checkbox"/> < 200	
D027 1, 4 Dichlorobenzene	<input checked="" type="checkbox"/> < 7.5	
D028 1, 2 Dichloroethane	<input checked="" type="checkbox"/> < 0.5	
D029 1, 1 Dichloroethylene	<input checked="" type="checkbox"/> < 0.7	
D030 2, 4 Dinitrotoluene	<input checked="" type="checkbox"/> < 0.13	
D031 Heptachlor	<input checked="" type="checkbox"/> < 0.008	
D032 Hexachlorobenzene	<input checked="" type="checkbox"/> < 0.13	
D033 Hexachlorobutadiene	<input checked="" type="checkbox"/> < 0.5	
D034 Hexachloroethane	<input checked="" type="checkbox"/> < 3.0	
D035 Methyl Ethyl Ketone	<input checked="" type="checkbox"/> < 200	
D036 Nitrobenzene	<input checked="" type="checkbox"/> < 2.0	
D037 Pentachlorophenol	<input checked="" type="checkbox"/> < 100	
D038 Pyridine	<input checked="" type="checkbox"/> < 5.0	
D039 Tetrachloroethylene	<input checked="" type="checkbox"/> < 0.7	
D040 Trichloroethylene	<input checked="" type="checkbox"/> < 0.5	
D041 2, 4, 6 Trichlorophenol	<input checked="" type="checkbox"/> < 400	
D042 2, 4, 8 Trichlorophenol	<input type="checkbox"/> < 2.0	
D043 Vinyl Chloride	<input checked="" type="checkbox"/> < 0.2	

I. Other Components (parts per million)

Cyanides, Total	<u>2</u>	Amenable Cyanide	<u>2</u>
Sulfides, Total	<u> </u>	Reactive Sulfide	<u> </u>
Nitrogen, Total	<u> </u>	Ammonia	<u> </u>
Pesticides, Total	<u> </u>	Herbicides, Total	<u> </u>
Fluorides, Total	<u> </u>	Asbestos	<u> </u>
Phosphorus, Total	<u> </u>	Phosphates	<u> </u>
Phenolics	<u> </u>	PCB's	<u> </u>
Total HOC's	<u> </u>	Total VOC's	<u> </u>
Other	<u> </u>		

J. Land Disposal Restrictions

- 1) Is waste subject to land ban? ☐ Yes ☒ No
 If yes check the appropriate box
☐ Restricted waste requires treatment
☐ Waste meets treatment standards
☐ Waste subject to variance. Effective until _____ (date)

- 2) Is waste a soil or debris? ☐ Yes ☒ No
 3) Identify all waste subcategories

K. Hazardous Characteristics

<input type="checkbox"/> Corrosive	<input type="checkbox"/> Toxic	<input type="checkbox"/> Oxidizer
<input type="checkbox"/> T.C. Toxic	<input type="checkbox"/> Acutely Toxic	<input type="checkbox"/> Peroxide
<input type="checkbox"/> Ignitable	<input type="checkbox"/> Poison	<input type="checkbox"/> Pyrophoric
<input type="checkbox"/> Reactive	<input type="checkbox"/> Water Reactive	
TSCA Regulated Waste?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
US EPA Hazardous Waste?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
State Hazardous Waste?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
CERCLA Hazardous Waste?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
US EPA Hazardous Waste Numbers	_____	

L. Shipping Information

Is waste a DOT Hazardous Material? ☐ Yes ☒ No

Proper DOT Shipping Name Air Carrier Regulated Solid

DOT Hazard Class _____ UN/NA Number _____

Reportable Quantity (RQ) _____ US EPA Hazard Code(s) _____

Method of Shipment:
☐ Vac Truck ☐ Dump Trailer ☐ Drum (type/size) _____
☐ Tank Truck ☐ Roll Off ☐ Other _____

State Hazardous Waste Numbers _____

Can waste be disposed out of state in a Subtitle D landfill? ☐ Yes ☒ No

Generator Certification

A representative sample of the waste stream was obtained using an EPA approved method and corresponds to the information on this profile.

I hereby certify that the above and attached description is complete and accurate and that no deliberate or willful omissions of compositions or properties exists, and that all known or suspected hazards have been disclosed.

Generator's Authorized Signatory:

Rita Terranova

TITLE

Purchasing Agent

DATE

877490185

WD28805

A. Generator Information

Generator NAPP TECHNOLOGIES
 Facility Address 199 MAIN STREET
 City LORE State VT Zip 07644
 Mailing Address (if different) SAME
 City _____ State _____ Zip _____
 Technical Contact KATHY TERNANEO Title EA

Generator US EPA ID # 100 00073 001315282

Invoice Information (Broker)

Company Name _____
 Contact _____ Phone _____
 Address _____
 City _____ State _____ Zip _____
 Phone 201-773-7900

B. Waste Information

Common Name for Waste CHARCOAL ASH FROM FLUORESCEN

Detailed Description of Process Generating Waste (Describe each step in process)

Solution passed through charcoal bed for color removal

List raw materials used:

List Products Produced:

Is waste Dioxin bearing? ☐ Yes ☒ No Infectious? ☐ Yes ☒ No Radioactive? ☐ Yes ☒ No Explosive? ☐ Yes ☒ NoAnticipated Volume: 5 drums Frequency: 9 Current Volume on site: 6 drums

Have toxicity characteristic or other analysis been performed on this waste?

☒ No ☐ Yes (If yes, please attach copy of results)

C. Physical Characteristics of Waste

Color <u>BLACK</u> Odor <input checked="" type="checkbox"/> NONE <input type="checkbox"/> MILD <input type="checkbox"/> STRONG Describe: _____	Specific Gravity <input type="checkbox"/> < 0.8 <input type="checkbox"/> 0.8-1.0 <input checked="" type="checkbox"/> 1.0-1.2 <input type="checkbox"/> > 1.2 Viscosity <input checked="" type="checkbox"/> Low <input type="checkbox"/> High <input type="checkbox"/> Medium	Ignitability <input type="checkbox"/> yes <input checked="" type="checkbox"/> no Flash Point <input type="checkbox"/> < 70°F <input type="checkbox"/> 70°F-100°F <input type="checkbox"/> 101°F-130°F <input type="checkbox"/> ≥ 140°F Actual: _____	Corrosivity (pH) <input type="checkbox"/> ≤ 2.0 <input type="checkbox"/> 2.01-5 <input checked="" type="checkbox"/> 5-9 <input type="checkbox"/> 9-12.49 <input type="checkbox"/> ≥ 12.50 Actual pH: _____	Reactivity <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Unstable <input type="checkbox"/> Water reactive <input type="checkbox"/> Cyanide <input type="checkbox"/> Sulfide <input type="checkbox"/> Explosive <input type="checkbox"/> Generates toxic fumes	Physical State 70°F <input type="checkbox"/> Liquid <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Semi-solid <input type="checkbox"/> Powder <input type="checkbox"/> Single <input type="checkbox"/> Multilayer % Free liquids _____ % Total solids <u>100</u> Pumpable? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no
--	--	---	--	--	---

D. Chemical Composition

(Must add up to 100%)

<u>CHARCOAL ASH</u>	<u>90.95</u>	%
<u>WATER</u>	<u>5.10</u>	%
		%
		%
		%
		%
		%
		%

Is waste a commercial chemical product? ☐ Yes ☒ No
If yes attach MSDSIs waste a spill residue from a virgin commercial chemical product? ☐ Yes ☒ No
If yes attach MSDS

What industry is waste generated from?

Was a representative sample provided which matches the description on this form? ☒ Yes ☐ No

E. RCRA Characteristics

- 1) Is this a US EPA hazardous waste? ☐ Yes ☒ No
- 2) Is waste an EPA Listed hazardous waste? ☐ Yes ☒ No
- 3) Does waste contain solvents? ☐ Yes ☒ No
If yes, specify: _____
- 4) Is waste a listed solvent as defined by 40 CFR 261.31 (F001, F002, F003, F004, F005)? ☐ Yes ☒ No
- 5) Does waste contain greater than 1,000 ppm Total HOCs, Halogenated Organic Compounds? ☐ Yes ☒ No
- 6) Does waste contain PCBs greater than 50 ppm or PCBs derived from a source greater than 50 ppm? ☐ Yes ☒ No

F. Fuel or Solvent Recycling (Optional)

Solvents/Oils % Halogens _____ % Sulfur _____ % Water _____ % Ash _____ % Suspended Solids _____ % BSAW _____	Caloric Content (BTU/lb. x 1000) <input type="checkbox"/> NONE <input type="checkbox"/> < 5 <input type="checkbox"/> 5-10 <input type="checkbox"/> 10-15 <input type="checkbox"/> > 15 Actual: _____	Total Metals (ppm) Arsenic _____ Cadmium _____ Chrome _____ Lead _____ Total Metals _____
--	--	--

877490186

WD28805

G. Heavy Metals

<input checked="" type="checkbox"/> Total	<input type="checkbox"/> TCLP	<input type="checkbox"/> EP Toxicity	
		(in parts per million)	Actual
D004 Arsenic	<input checked="" type="checkbox"/> < 5	<input type="checkbox"/> < 500	_____
D005 Barium	<input checked="" type="checkbox"/> < 100		_____
D006 Cadmium	<input checked="" type="checkbox"/> < 1	<input type="checkbox"/> < 100	_____
D007 Chromium	<input checked="" type="checkbox"/> < 5		_____
D008 Lead	<input checked="" type="checkbox"/> < 5	<input type="checkbox"/> < 500	_____
D009 Mercury	<input checked="" type="checkbox"/> < 0.2	<input type="checkbox"/> < 20	_____
D010 Selenium	<input checked="" type="checkbox"/> < 1	<input type="checkbox"/> < 100	_____
D011 Silver	<input checked="" type="checkbox"/> < 5		_____
Hex-Chrome	<input type="checkbox"/> < 5	<input type="checkbox"/> < 500	_____
Copper	<input type="checkbox"/> < 25		_____
Nickel	<input type="checkbox"/> < 25	<input type="checkbox"/> < 134	_____
Thallium	<input type="checkbox"/> < 25	<input type="checkbox"/> < 130	_____
Zinc	<input type="checkbox"/> < 25		_____
Other _____	<input type="checkbox"/> < _____		_____
Other _____	<input type="checkbox"/> < _____		_____
Other _____	<input type="checkbox"/> < _____		_____

H. Toxicity Characteristic Organic

<input checked="" type="checkbox"/> Total	<input type="checkbox"/> TCLP	(in parts per million)	Ac
D012 Endrin	<input checked="" type="checkbox"/> < 0.02		_____
D013 Lindane	<input checked="" type="checkbox"/> < 0.4		_____
D014 Methoxychlor	<input checked="" type="checkbox"/> < 10.0		_____
D015 Toxaphene	<input checked="" type="checkbox"/> < 0.5		_____
D016 2, 4 D	<input checked="" type="checkbox"/> < 10.0		_____
D017 Silvex (2, 4, 5-TP)	<input checked="" type="checkbox"/> < 1.0		_____
D018 Benzene	<input checked="" type="checkbox"/> < 0.5		_____
D019 Carbon Tetrachloride	<input checked="" type="checkbox"/> < 0.5		_____
D020 Chlordane	<input checked="" type="checkbox"/> < 0.03		_____
D021 Chlorobenzene	<input checked="" type="checkbox"/> < 100		_____
D022 Chloroform	<input checked="" type="checkbox"/> < 6.0		_____
D023 O-Cresol	<input checked="" type="checkbox"/> < 200		_____
D024 M-Cresol	<input checked="" type="checkbox"/> < 200		_____
D025 P-Cresol	<input checked="" type="checkbox"/> < 200		_____
D026 Cresols	<input checked="" type="checkbox"/> < 200		_____
D027 1, 4 Dichlorobenzene	<input checked="" type="checkbox"/> < 7.5		_____
D028 1, 2 Dichloroethane	<input checked="" type="checkbox"/> < 0.5		_____
D029 1, 1 Dichloroethylene	<input checked="" type="checkbox"/> < 0.7		_____
D030 2, 4 Dinitrotoluene	<input checked="" type="checkbox"/> < 0.13		_____
D031 Heptachlor	<input checked="" type="checkbox"/> < 0.008		_____
D032 Hexachlorobenzene	<input checked="" type="checkbox"/> < 0.13		_____
D033 Hexachlorobutadiene	<input checked="" type="checkbox"/> < 0.5		_____
D034 Hexachloroethane	<input checked="" type="checkbox"/> < 3.0		_____
D035 Methyl Ethyl Ketone	<input checked="" type="checkbox"/> < 200		_____
D036 Nitrobenzene	<input checked="" type="checkbox"/> < 2.0		_____
D037 Pentachlorophenol	<input checked="" type="checkbox"/> < 100		_____
D038 Pyridine	<input checked="" type="checkbox"/> < 5.0		_____
D039 Tetrachloroethylene	<input checked="" type="checkbox"/> < 0.7		_____
D040 Trichloroethylene	<input checked="" type="checkbox"/> < 0.5		_____
D041 2, 4, 6 Trichlorophenol	<input checked="" type="checkbox"/> < 400		_____
D042 2, 4, 6 Trichlorophenol	<input checked="" type="checkbox"/> < 2.0		_____
D043 Vinyl Chloride	<input checked="" type="checkbox"/> < 0.2		_____

I. Other Components (parts per million)

Cyanides, Total	<u>N/A</u>	Amenable Cyanide	<u>N/A</u>
Sulfides, Total	<u>N/A</u>	Reactive Sulfide	<u>N/A</u>
Nitrogen, Total	<u>N/A</u>	Ammonia	<u>N/A</u>
Pesticides, Total	<u>N/A</u>	Herbicides, Total	<u>N/A</u>
Fluorides, Total	<u>N/A</u>	Asbestos	<u>N/A</u>
Phosphorus, Total	<u>N/A</u>	Phosphates	<u>N/A</u>
Phenolics	<u>N/A</u>	PCB's	<u>N/A</u>
Total HOC's	<u>N/A</u>	Total VOC's	<u>N/A</u>
Other _____			

J. Land Disposal Restrictions

- 1) Is waste subject to land ban? ☒ Yes ☒ No
 If yes check the appropriate box
☐ Restricted waste requires treatment
☐ Waste meets treatment standards
☐ Waste subject to variance. Effective until _____ (date)

- 2) Is waste a soil or debris? ☐ Yes ☒ No
 3) Identify all waste subcategories _____

K. Hazardous Characteristics

<input type="checkbox"/> Corrosive	<input type="checkbox"/> Toxic	<input type="checkbox"/> Oxidizer
<input type="checkbox"/> T.C. Toxic	<input type="checkbox"/> Acutely Toxic	<input type="checkbox"/> Peroxide
<input type="checkbox"/> Ignitable	<input type="checkbox"/> Poison	<input type="checkbox"/> Pyrophoric
<input type="checkbox"/> Reactive	<input type="checkbox"/> Water Reactive	
TSCA Regulated Waste?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
US EPA Hazardous Waste?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
State Hazardous Waste?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
CERCLA Hazardous Waste?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
US EPA Hazardous Waste Numbers	_____	

L. Shipping Information

Proper DOT Shipping Name	Is waste a DOT Hazardous Material? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<u>NON HAZARDOUS SOLID</u>	
DOT Hazard Class <u>NON REGULATED</u>	UN/NA Number _____
Reportable Quantity (RQ) _____	US EPA Hazard Code(s) _____
Method of Shipment:	
<input type="checkbox"/> Vac Truck	<input type="checkbox"/> Dump Trailer
<input type="checkbox"/> Tank Truck	<input type="checkbox"/> Roll Off
<input checked="" type="checkbox"/> Drum (type/size) <u>17-5 55 gallon</u>	<input type="checkbox"/> Other _____
State Hazardous Waste Numbers	_____
Can waste be disposed out of state in a Subtitle D landfill? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Generator Certification

A representative sample of the waste stream was obtained using an EPA approved method and corresponds to the information on this profile.

I hereby certify that the above and attached description is complete and accurate and that no deliberate or willful omissions of composition or properties exists, and that all known or suspected hazards have been disclosed.

Generator's Authorized Signatory:

Keith Lerman

TITLE Materials Manager

DATE 1/24/95

877490187

WD 12593

G. Heavy Metals

	<input type="checkbox"/> Total	<input type="checkbox"/> TCLP	<input checked="" type="checkbox"/> EP Toxicity (in parts per million)	Actual
D004 Arsenic	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> < 5 <input type="checkbox"/> < 500	<.01
D005 Barium	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> < 100	.06
D006 Cadmium	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> < 1 <input type="checkbox"/> < 100	<.01
D007 Chromium	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> < 5	<.02
D008 Lead	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> < 5 <input type="checkbox"/> < 500	<.02
D009 Mercury	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> < 0.2 <input type="checkbox"/> < 20	<.005
D010 Selenium	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> < 1 <input type="checkbox"/> < 100	<.01
D011 Silver	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> < 5	<.01
Hex-Chrome	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> < 5 <input type="checkbox"/> < 500	
Copper	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> < 25	
Nickel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> < 25 <input type="checkbox"/> < 134	
Thallium	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> < 25 <input type="checkbox"/> < 130	
Zinc	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> < 25	
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <	
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <	
Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <	

H. Toxicity Characteristic Organics

	<input type="checkbox"/> Total	<input checked="" type="checkbox"/> TCLP	(in parts per million)	Actual
D012 Endrin	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 0.02	
D013 Lindane	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 0.4	
D014 Methoxychlor	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 10.0	
D015 Toxaphene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 0.5	
D016 2, 4 D	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 10.0	
D017 Silvex (2, 4, 5-TP)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 1.0	
D018 Benzene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 0.5	
D019 Carbon Tetrachloride	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 0.5	
D020 Chlordane	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 0.03	
D021 Chlorobenzene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 100	
D022 Chloroform	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 5.0	
D023 O-Cresol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 200	
D024 M-Cresol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 200	
D025 P-Cresol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 200	
D026 Cresols	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 200	
D027 1, 4 Dichlorobenzene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 7.5	
D028 1, 2 Dichloroethane	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 0.5	
D029 1, 1 Dichloroethylene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 0.7	
D030 2, 4 Dinitrotoluene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 0.13	
D031 Heptachlor	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 0.008	
D032 Hexachlorobenzene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 0.13	
D033 Hexachlorobutadiene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 0.5	
D034 Hexachloroethane	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 3.0	
D035 Methyl Ethyl Ketone	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 200	
D036 Nitrobenzene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 2.0	
D037 Pentachlorophenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 100	
D038 Pyridine	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 5.0	
D039 Tetrachloroethylene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 0.7	
D040 Trichloroethylene	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 0.5	
D041 2, 4, 6 Trichlorophenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 400	
D042 2, 4, 6 Trichlorophenol	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 2.0	
D043 Vinyl Chloride	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> < 0.2	

I. Other Components (parts per million)

Cyanides, Total	< 1.0	Amenable Cyanide	< 1.0
Sulfides, Total		Reactive Sulfide	
Nitrogen, Total		Ammonia	
Pesticides, Total		Herbicides, Total	
Fluorides, Total		Asbestos	
Phosphorus, Total		Phosphates	
Phenolics		PCB's	
Total HOC's		Total VOC's	
Other			

J. Land Disposal Restrictions

- 1) Is waste subject to land ban? ☐ Yes ☒ No
 If yes check the appropriate box
☐ Restricted waste requires treatment
☐ Waste meets treatment standards
☐ Waste subject to variance. Effective until _____ (date)

- 2) Is waste a soil or debris? ☐ Yes ☒ No
 3) Identify all waste subcategories

K. Hazardous Characteristics

- ☐ Corrosive ☐ Toxic ☐ Oxidizer
☐ T.C. Toxic ☐ Acutely Toxic ☐ Peroxide
☐ Ignitable ☐ Poison ☐ Pyrophoric
☐ Reactive ☐ Water Reactive

- TSCA Regulated Waste? ☐ Yes ☒ No
 US EPA Hazardous Waste? ☐ Yes ☒ No
 State Hazardous Waste? ☐ Yes ☒ No
 CERCLA Hazardous Waste? ☐ Yes ☒ No

US EPA Hazardous Waste Numbers

None HAZARDOUS

L. Shipping Information

Is waste a DOT Hazardous Material? ☐ Yes ☒ No

Proper DOT Shipping Name

None HAZARDOUS

DOT Hazard Class None REGULATED

UN/NA Number

Reportable Quantity (RQ)

US EPA Hazard Code(s)

Method of Shipment:

- ☐ Vac Truck ☒ Dump Trailer ☐ Drum (type/size)
☐ Tank Truck ☐ Roll Off ☐ Other

State Hazardous Waste Numbers

Can waste be disposed out of state in a Subtitle D landfill? ☐ Yes ☐ No

Generator Certification

A representative sample of the waste stream was obtained using an EPA approved method and corresponds to the information on this profile.

I hereby certify that the above and attached description is complete and accurate and that no deliberate or willful omissions of compositions or properties exists, and that all known or suspected hazards have been disclosed.

X Generator's Authorized Signatory:

Keith Lermanco

TITLE

Purchasing Agent

DATE

WD12593

A. Generator InformationGenerator NAPP CHEMICALGenerator US EPA ID # NJD 001315272Facility Address 199 MAIN STREET**Invoice Information (Broker)**City LODI State NJ Zip 07644

Company Name _____

Mailing Address (if different) P.O. BOX 900

Contact _____ Phone _____

City _____ State _____ Zip _____

Address _____

City _____ State _____ Zip _____

Technical Contact KEITH TERRANOTitle PRACH. AGENTPhone 201-773-3900**B. Waste Information**Common Name for Waste Pit Sludge

Detailed Description of Process Generating Waste (Describe each step in process)

Cleaning of waste water treatment pitList raw materials used: N/AList Products Produced: N/AIs waste Dioxin bearing? ☐ Yes ☒ No Infectious? ☐ Yes ☒ No Radioactive? ☐ Yes ☒ No Explosive? ☐ Yes ☒ No

Anticipated Volume: _____ Frequency: _____ Current Volume on site: _____

Have toxicity characteristic or other analysis been performed on this waste?

☐ No ☒ Yes (if yes, please attach copy of results)**C. Physical Characteristics of Waste**

Color <u>BLACK</u> Odor <input type="checkbox"/> NONE <input checked="" type="checkbox"/> MILD <input type="checkbox"/> STRONG Describe:	Specific Gravity <input type="checkbox"/> < 0.8 <input checked="" type="checkbox"/> 0.8-1.0 <input type="checkbox"/> 1.0-1.2 <input type="checkbox"/> > 1.2 Viscosity <input type="checkbox"/> Low <input type="checkbox"/> High <input checked="" type="checkbox"/> Medium	Ignitability <input type="checkbox"/> yes <input checked="" type="checkbox"/> no Flash Point <input type="checkbox"/> < 70°F <input type="checkbox"/> 70°F-100°F <input type="checkbox"/> 101°F-130°F <input checked="" type="checkbox"/> ≥ 140°F Actual:	Corrosivity (pH) <input type="checkbox"/> ≤ 2.0 <input type="checkbox"/> 2.01-5 <input checked="" type="checkbox"/> 5-8 <input type="checkbox"/> 8-12.49 <input type="checkbox"/> ≥ 12.50 Actual pH:	Reactivity <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Unstable <input type="checkbox"/> Water reactive <input type="checkbox"/> Cyanide <input type="checkbox"/> Sulfide <input type="checkbox"/> Explosive <input type="checkbox"/> Generates toxic fumes	Physical State 70°F <input type="checkbox"/> Liquid <input checked="" type="checkbox"/> Solid <input checked="" type="checkbox"/> Semi-solid <input type="checkbox"/> Powder <input type="checkbox"/> Bilayer <input type="checkbox"/> Multilayer % Free Liquids _____ % Total Solids _____ Pumpable? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no
--	--	--	--	--	--

D. Chemical Composition

(Must add up to 100%)

<u>Water</u>	<u>30</u>	%
<u>Grit Residue</u>	<u>70</u>	%
		%
		%
		%
		%
		%
		%

Is waste a commercial chemical product? ☐ Yes ☒ No
If yes attach MSDSIs waste a spill residue from a virgin commercial chemical product? ☐ Yes ☒ No
If yes attach MSDS

What industry is waste generated from?

Was a representative sample provided which matches the description on this form? ☐ Yes ☒ No**E. RCRA Characteristics**

- 1) Is this a US EPA hazardous waste? ☐ Yes ☒ No
- 2) Is waste an EPA Listed hazardous waste? ☐ Yes ☒ No
- 3) Does waste contain solvents? ☐ Yes ☒ No
If yes, specify: _____
- 4) Is waste a listed solvent as defined by 40 CFR 261.31 (F001, F002, F003, F004, F005)? ☐ Yes ☒ No
- 5) Does waste contain greater than 1,000 ppm Total HOCs, Halogenated Organic Compounds? ☐ Yes ☒ No
- 6) Does waste contain PCBs greater than 50 ppm or PCBs derived from a source greater than 50 ppm? ☐ Yes ☒ No

F. Fuel or Solvent Recycling (Optional)

Solvents/Oils % Halogens _____ % Sulfur _____ % Water _____ % Ash _____ % Suspended Solids _____ % BSAW _____	Caloric Content (BTU/lb. x 1000) <input type="checkbox"/> NONE <input type="checkbox"/> < 5 <input type="checkbox"/> 5-10 <input type="checkbox"/> 10-15 <input type="checkbox"/> > 15 Actual: _____	Total Metals (in ppm) Arsenic _____ Cadmium _____ Chrome _____ Lead _____ Total Metals _____
--	--	---

877490189

AD38233

D. Waste Information

Common Name of Waste DEA CETYL PHOSPHATE ML

Detailed Description of Process Generating Waste. (A detailed description must be provided, attach additional sheets if necessary)

Diethyl phosphate reacts with Diethanol amine to make diethanol amine salt of cetyl phosphate is an old batch. Product is centrifuged out, IPA by wash and liquid is removed for disposal.

Raw materials used in process:

E. Regulatory Information

	Yes	No	Comments
1) Is this a US EPA hazardous waste?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
2) Is this a US EPA listed hazardous waste, or derived from a listed source? (F, K, U, P)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
3) Is this a PCB waste regulated by TSCA? (Is PCB > 50 ppm or derived from source > 50 ppm)	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
4) Is this a State Hazardous Waste?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
5) Is this waste generated from a CERCLA cleanup action?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
6) Is this a Dioxin bearing waste as per 40 CFR part 261.31?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
7) Is this waste infectious or medical waste?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
8) Is this waste radioactive?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
9) Is this waste explosive?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
10) Does this waste contain debris? (If yes, please list type & percentage in section F)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
11) Does this waste contain metallic fines/powders?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
12) Does this waste contain asbestos? (If yes, define type) Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
13) Does this waste contain solvents or volatile organic compounds? (If yes, provide specific constituents)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
14) Is this waste subject to Benzene NEBAP regulation? (>10 ppm, benzene by weight)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

F. Chemical Composition

List all hazardous and non-hazardous constituents. (Trade names are not acceptable)

	Minimum %	Average %	Maximum %
1 <u>CETYL PHOSPHATE</u>	<u>1</u>		<u>2</u>
2 <u>DIETHANOL AMINE</u>	<u>1</u>		<u>2</u>
3 <u>DIETHANOL AMINE SALTS</u>	<u>1</u>		<u>2</u>
4 <u>IPA</u>	<u>95</u>		<u>98</u>
5			
6			
7			

Total (Must add up to 100%)

G. Physical Characteristics Of Waste

Color	Specific Gravity	Volatility	Corrosivity (pH)	Reactivity	Physical State 70° F	Solvents/Oils (Optional)
<u>WHITE</u>	<input checked="" type="checkbox"/> <0.8 <input type="checkbox"/> 0.8-1.0 <input type="checkbox"/> 1.0-1.2 <input type="checkbox"/> >1.2	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Flash Point: <input type="checkbox"/> <70° F <input checked="" type="checkbox"/> 70° F-100° F <input type="checkbox"/> 101° F-120° F <input type="checkbox"/> >120° F	<input type="checkbox"/> ≤5.0 <input type="checkbox"/> 5.01-6 <input type="checkbox"/> 6-4 <input type="checkbox"/> 9-12.40 <input type="checkbox"/> ≥12.50	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Unstable <input type="checkbox"/> Water reactive <input type="checkbox"/> Oxidizer <input type="checkbox"/> Explosive <input type="checkbox"/> Generates toxic fumes <input type="checkbox"/> Other	<input type="checkbox"/> Liq./Solid mixture <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Semi-solid <input type="checkbox"/> Powder <input type="checkbox"/> Single layer <input type="checkbox"/> Multi-layer <input type="checkbox"/> Single layer	Caloric Content BTU/lb % Halogens % Ash % Water % Solids
Describe: <u>IPA</u>	<input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High	Actual:	Actual pH:		% Free Solids <u>95-100</u> % Total Solids <u>95-100</u> Pumpable? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	

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AD38233

H. Heavy Metals

☒ Total ☐ TCLPBased on:
Generator knowledge ☒
Analysis ☐

	(In parts per million)	Actual
D004 Arsenic	<input checked="" type="checkbox"/> < 5	
D005 Barium	<input checked="" type="checkbox"/> < 100	
D006 Cadmium	<input checked="" type="checkbox"/> < 1	
D007 Chromium	<input checked="" type="checkbox"/> < 5	
D008 Lead	<input checked="" type="checkbox"/> < 5	
D009 Mercury	<input checked="" type="checkbox"/> < 0.2	
D010 Selenium	<input checked="" type="checkbox"/> < 1	
D011 Silver	<input checked="" type="checkbox"/> < 5	
Copper		
Nickel		
Zinc		
Other (s):		

J. Other Components (parts per million)

Cyanides, Total	<u>N/A</u>	Amenable Cyanide	<u>N/A</u>
Sulfides, Total	<u>1</u>	Reactive Sulfide	<u>1</u>
Pesticides	<u>1</u>	Herbicides	<u>1</u>
Ammonia	<u>1</u>	PCB's, Total	<u>1</u>
HOC's, Total	<u>1</u>	VOC's, Total	<u>270</u>
OSHA Carcinogens			

Other Hazardous Ingredients _____

I. Toxicity Characteristic Organics

☒ Total ☐ TCLPBased on: Generator knowledge
Analysis

	(In parts per million)	Actual
D012 Endrin	<input checked="" type="checkbox"/> < 0.02	
D013 Lindane	<input checked="" type="checkbox"/> < 0.4	
D014 Methoxychlor	<input checked="" type="checkbox"/> < 10.0	
D015 Toxaphene	<input checked="" type="checkbox"/> < 0.5	
D016 2, 4 D	<input checked="" type="checkbox"/> < 10.0	
D017 Silvex (2, 4 5-TP)	<input checked="" type="checkbox"/> < 1.0	
D018 Benzene	<input checked="" type="checkbox"/> < 0.5	
D019 Carbon Tetrachloride	<input checked="" type="checkbox"/> < 0.5	
D020 Chlordane	<input checked="" type="checkbox"/> < 0.03	
D021 Chlorobenzene	<input checked="" type="checkbox"/> < 100	
D022 Chloroform	<input checked="" type="checkbox"/> < 5.0	
D023 O-Cresol	<input checked="" type="checkbox"/> < 200	
D024 M-Cresol	<input checked="" type="checkbox"/> < 200	
D025 P-Cresol	<input checked="" type="checkbox"/> < 200	
D026 Cresols	<input checked="" type="checkbox"/> < 200	
D027 1, 4 Dichlorobenzene	<input checked="" type="checkbox"/> < 7.5	
D028 1, 2 Dichloroethane	<input checked="" type="checkbox"/> < 0.5	
D029 1, 1 Dichloroethylene	<input checked="" type="checkbox"/> < 0.7	
D030 2, 4 Dinitrotoluene	<input checked="" type="checkbox"/> < 0.13	
D031 Heptachlor	<input checked="" type="checkbox"/> < 0.008	
D032 Hexachlorobenzene	<input checked="" type="checkbox"/> < 0.13	
D033 Hexachlorobutadiene	<input checked="" type="checkbox"/> < 0.5	
D034 Hexachloroethane	<input checked="" type="checkbox"/> < 3.0	
D035 Methyl Ethyl Ketone	<input checked="" type="checkbox"/> < 200	
D036 Nitrobenzene	<input checked="" type="checkbox"/> < 2.0	
D037 Pentachlorophenol	<input checked="" type="checkbox"/> < 100	
D038 Pyridine	<input checked="" type="checkbox"/> < 5.0	
D039 Tetrachloroethylene	<input checked="" type="checkbox"/> < 0.7	
D040 Trichloroethylene	<input checked="" type="checkbox"/> < 0.5	
D041 2, 4, 5 Trichlorophenol	<input checked="" type="checkbox"/> < 400	
D042 2, 4, 6 Trichlorophenol	<input checked="" type="checkbox"/> < 2.0	
D043 Vinyl Chloride	<input checked="" type="checkbox"/> < 0.2	

K. Land Disposal Restrictions

- 1) Is waste subject to land ban? ☒ Yes ☐ No
If yes, complete enclosed LDR form.
☒ Restricted waste requires treatment
☐ Waste meets treatment standards
☐ Waste subject to variance. Effective until _____ (date)

- 2) Is waste a wastewater or non-wastewater? ☒ non-wastewater
3) Is waste a debris? ☐ Yes ☒ No
4) Is waste a soil? ☐ Yes ☒ No
5) Identify all waste subcategories and underlying hazardous constituents (UHC):

L. Shipping and Handling

- 1) Shipping mode: Bulk Liquid ☐ Bulk Solid ☐ Drums ☒ Other ☐
2) Bulk Container Type: Vac Truck ☐ Tank Truck ☐ Dump Trailer ☐ Roll Off ☐ Other _____
3) Drum Container Type: Fibre ☐ Poly ☒ Closed Head Steel ☐ Open Head Steel ☐ Other _____ Size 55
4) Frequency: One Time ☐ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly ☐ Other _____
5) Volume per shipment: Drums 1 Gallons _____ Ton/Yards _____
6) DOT Hazardous: Yes ☒ No ☐ Marine Pollutant Yes ☐ No ☒ Poison Inhalation Hazard? Yes ☐ No ☒
7) DOT Shipping Name: WASTE TOXIC FLAMMABLE LIQ Technical Constituents: _____
8) DOT ID #: UN1911 12.9 RQ # _____ 9) Packaging Group: II 10) Hazard Class: 3
11) EPA/State Hazardous Waste Number(s): (D, K, F, U, P) 000

Generator Certification

A representative sample of the waste stream was obtained using an EPA approved method and corresponds to the information on this profile.

I hereby certify that the above and attached description is complete and accurate and that no deliberate or willful omissions (compositions or properties exists, and that all known or suspected hazards have been disclosed.

Generator's Authorized Signatory:

Ruth Verrano Title Materials Mgr Date 5/9/95

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AD 38234

H. Heavy Metals

☒ Total ☐ TCLP

(In parts per million)

Based on: Generator knowledge ☒
Analysis ☐

Actual

D004 Arsenic ☒ < 5
 D005 Barium ☒ < 100
 D006 Cadmium ☒ < 1
 D007 Chromium ☒ < 5
 D008 Lead ☒ < 5
 D009 Mercury ☒ < 0.2
 D010 Selenium ☒ < 1
 D011 Silver ☒ < 5
 Copper _____
 Nickel _____
 Zinc _____
 Other (s): _____

J. Other Components (parts per million)

Cyanides, Total N/A Amenable Cyanide N/A
 Sulfides, Total ↓ Reactive Sulfide ↓
 Pesticides ↓ Herbicides ↓
 Ammonia ↓ PCB's, Total ↓
 HOC's, Total ↓ VOC's, Total ↓
 OSHA Carcinogens _____

Other Hazardous Ingredients _____

I. Toxicity Characteristic Organics

☒ Total ☐ TCLPBased on: Generator knowledge ☒
Analysis ☐

(In parts per million)

Actual

D012 Endrin ☒ < 0.02
 D013 Lindane ☒ < 0.4
 D014 Methoxychlor ☒ < 10.0
 D016 Toxaphene ☒ < 0.5
 D016 2, 4 D ☒ < 10.0
 D017 Silvex (2, 4, 5-TP) ☒ < 1.0
 D018 Benzene ☒ < 0.5
 D019 Carbon Tetrachloride ☒ < 0.5
 D020 Chlordane ☒ < 0.03
 D021 Chlorobenzene ☒ < 100
 D022 Chloroform ☒ < 0.0
 D023 O-Cresol ☒ < 200
 D024 M-Cresol ☒ < 200
 D025 P-Cresol ☒ < 200
 D026 Cresols ☒ < 200
 D027 1, 4 Dichlorobenzene ☒ < 7.5
 D028 1, 2 Dichloroethane ☒ < 0.5
 D029 1, 1 Dichloroethylene ☒ < 0.7
 D030 2, 4 Dinitrotoluene ☒ < 0.13
 D031 Heptachlor ☒ < 0.008
 D032 Hexachlorobenzene ☒ < 0.13
 D033 Hexachlorobutadiene ☒ < 0.5
 D034 Hexachloroethane ☒ < 0.0
 D035 Methyl Ethyl Ketone ☒ < 200
 D036 Nitrobenzene ☒ < 0.0
 D037 Pentachlorophenol ☒ < 100
 D038 Pyridine ☒ < 0.0
 D039 Tetrachloroethylene ☒ < 0.7
 D040 Trichloroethylene ☒ < 0.5
 D041 2, 4, 6 Trichlorophenol ☒ < 400
 D042 2, 4, 6 Trichlorophenol ☒ < 0.0
 D043 Vinyl Chloride ☒ < 0.2

K. Land Disposal Restrictions

- 1) Is waste subject to land ban? ☒ Yes ☐ No
 If yes, complete enclosed LDR form.
☒ Restricted waste requires treatment
☐ Waste meets treatment standards
☐ Waste subject to variance. Effective until _____ (date)

- 2) Is waste a wastewater or non-wastewater? ☒ ☐
 3) Is waste a debris? ☐ Yes ☒ No
 4) Is waste a soil? ☐ Yes ☒ No
 5) Identify all waste subcategories and underlying hazardous constituents (UHC): _____

L. Shipping and Handling

- 1) Shipping mode: Bulk Liquid ☐ Bulk Solid ☐ Drums ☒ Other ☐
 2) Bulk Container Type: Vao Truck ☐ Tank Truck ☐ Dump Trailer ☐ Roll Off ☐ Other 24 poly & metal
 3) Drum Container Type: Fibre ☐ Poly ☒ Closed Head Steel ☒ Open Head Steel ☐ Other _____ Size 55 gallon
 4) Frequency: One Time ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly ☐ Other _____
 5) Volume per shipment: Drums 32 Gallons _____ Ton/Yards _____
 6) DOT Hazardous: Yes ☒ No ☐ Marine Pollutant Yes ☐ No ☒ Poison Inhalation Hazard? Yes ☐ No ☒
 7) DOT Shipping Name: WASTE ALCOHOLS, N.O.S. Technical Constituents: _____
 8) DOT ID #: UNNA 1987 RQ # _____ 9) Packaging Group: II 10) Hazard Class: 3
 11) EPA/State Hazardous Waste Numbers: (D, K, F, U, P) D001, P003

Generator Certification

A representative sample of the waste stream was obtained using an EPA approved method and corresponds to the information on this profile.

I hereby certify that the above and attached description is complete and accurate and that no deliberate or willful omissions of compositions or properties exists, and that all known or suspected hazards have been disclosed.

Generator's Authorized Signatory:

Keith Tennant Title Attorney in Charge Date 5/9/95

877490192

AD38233

D. Waste Information

Common Name of Waste DEA CETYL PHOSPHATE ML

Detailed Description of Process Generating Waste. (A detailed description must be provided, attach additional sheets if necessary)

Cetyl phosphate reacts with Diethanol amine to make diethanol amine salt of cetyl phosphate in an IPA bath. Product is centrifuged out, IPA by product and liquid is burned for disposal.

Raw materials used in process:

E. Regulatory Information

	Yes	No	Comments
1) Is this a US EPA hazardous waste?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
2) Is this a US EPA listed hazardous waste, or derived from a listed source? (F, K, U, P)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
3) Is this a PCB waste regulated by TSCA? (Is PCB > 50 ppm or derived from source > 50 ppm)	<input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
4) Is this a State Hazardous Waste?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
5) Is this waste generated from a CERCLA cleanup action?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
6) Is this a Dioxin bearing waste as per 40 CFR part 261.317	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
7) Is this waste infectious or medical waste?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
8) Is this waste radioactive?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
9) Is this waste explosive?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
10) Does this waste contain debris? (If yes, please list type & percentage in section F)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
11) Does this waste contain metallic fines/powders?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
12) Does this waste contain asbestos? (If yes, define type) Friable <input type="checkbox"/> , Non-Friable <input type="checkbox"/>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
13) Does this waste contain solvents or volatile organic compounds? (If yes, provide specific constituents)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
14) Is this waste subject to Benzene NESHAP regulation? (> 10 ppm, benzene by weight)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

F. Chemical Composition

List all hazardous and non-hazardous constituents. (Trade names are not acceptable)

	Minimum %	Average %	Maximum %
1 <u>CETYL PHOSPHATE</u>	<u>1</u>		<u>2</u>
2 <u>DIETHANOL AMINE</u>	<u>1</u>		<u>2</u>
3 <u>DIETHANOL AMINE SALTS</u>	<u>1</u>		<u>2</u>
4 <u>IPA</u>	<u>95</u>		<u>98</u>
5			
6			
7			

Total (Must add up to 100%)

G. Physical Characteristics Of Waste

Solvents/Other (Optional)

Color <u>WHITE</u> State <input type="checkbox"/> NONE <input checked="" type="checkbox"/> MILD <input type="checkbox"/> STRONG Describe: <u>IPA</u>	Specific Gravity <input type="checkbox"/> < 0.5 <input checked="" type="checkbox"/> 0.5-1.0 <input type="checkbox"/> 1.0-1.3 <input type="checkbox"/> > 1.3 Viscosity <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High	Instability <input checked="" type="checkbox"/> yes <input type="checkbox"/> no Boiling Point <input type="checkbox"/> 70° F <input checked="" type="checkbox"/> 70° F-100° F <input type="checkbox"/> 101° F-120° F <input type="checkbox"/> > 140° F Actual:	Composability <input type="checkbox"/> < 2.0 <input checked="" type="checkbox"/> 2.01-5 <input type="checkbox"/> 6-9 <input type="checkbox"/> 9-12.49 <input type="checkbox"/> > 12.50 Actual pH:	Reactivity <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Unstable <input type="checkbox"/> Water reactive <input type="checkbox"/> Oxidize <input type="checkbox"/> Corrosive <input type="checkbox"/> Explosive <input type="checkbox"/> Generates toxic fumes <input type="checkbox"/> Other	Physical State 70° F <input type="checkbox"/> Liq/Solid mixture <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Semi-solid <input type="checkbox"/> Powder <input type="checkbox"/> Slurry <input type="checkbox"/> Melted <input type="checkbox"/> Single layer % Free liquids <u>95-98</u> % Total solids <u>2-5</u> Pumpable? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	Other Content (STU) % Halogens % Ash % Water % Solids
--	---	--	---	--	---	--

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AD38233

H. Heavy Metals

☒ Total ☐ TCLPBased on: Generator knowledge ☒
Analysis ☐

(In parts per million)

Actual

D004 Arsenic ☒ < 5
 D005 Barium ☒ < 100
 D006 Cadmium ☒ < 1
 D007 Chromium ☒ < 5
 D008 Lead ☒ < 5
 D009 Mercury ☒ < 0.2
 D010 Selenium ☒ < 1
 D011 Silver ☒ < 5
 Copper _____
 Nickel _____
 Zinc _____
 Other (s): _____

J. Other Components (parts per million)

Cyanides, Total Nil Amenable Cyanide Nil
 Sulfides, Total + Reactive Sulfide +
 Pesticides + Herbicides +
 Ammonia + PCB's, Total +
 HOC's, Total + VOC's, Total 290
 OSHA Carcinogens _____

Other Hazardous Ingredients _____

I. Toxicity Characteristic Organics

☒ Total ☐ TCLPBased on: Generator knowledge ☒
Analysis ☐

(In parts per million)

Actual

D012 Endrin ☒ < 0.02
 D013 Lindane ☒ < 0.4
 D014 Methoxychlor ☒ < 10.0
 D015 Toxaphene ☒ < 0.5
 D016 2, 4 D ☒ < 10.0
 D017 Silvex (2, 4 5-TP) ☒ < 1.0
 D018 Benzene ☒ < 0.5
 D019 Carbon Tetrachloride ☒ < 0.5
 D020 Chlordane ☒ < 0.03
 D021 Chlorobenzene ☒ < 100
 D022 Chloroform ☒ < 8.0
 D023 O-Cresol ☒ < 200
 D024 M-Cresol ☒ < 200
 D025 P-Cresol ☒ < 200
 D026 Cresols ☒ < 200
 D027 1, 4 Dichlorobenzene ☒ < 7.5
 D028 1, 2 Dichloroethane ☒ < 0.5
 D029 1, 1 Dichloroethylene ☒ < 0.7
 D030 2, 4 Dinitrotoluene ☒ < 0.13
 D031 Heptachlor ☒ < 0.008
 D032 Hexachlorobenzene ☒ < 0.13
 D033 Hexachlorobutadiene ☒ < 0.5
 D034 Hexachloroethane ☒ < 3.0
 D035 Methyl Ethyl Ketone ☒ < 200
 D036 Nitrobenzene ☒ < 0.0
 D037 Pentachlorophenol ☒ < 100
 D038 Pyridine ☒ < 8.0
 D039 Tetrachloroethylene ☒ < 0.7
 D040 Trichloroethylene ☒ < 0.5
 D041 2, 4, 5 Trichlorophenol ☒ < 400
 D042 2, 4, 6 Trichlorophenol ☒ < 0.0
 D043 Vinyl Chloride ☒ < 0.2

K. Land Disposal Restrictions

- 1) Is waste subject to land ban? ☒ Yes ☐ No
 If yes, complete enclosed LDR form.
☒ Restricted waste requires treatment
☐ Waste meets treatment standards
☐ Waste subject to variance. Effective until _____ (date)

2) Is waste a wastewater or non-wastewater ☒3) Is waste a debris? ☐ Yes ☒ No4) Is waste a soil? ☐ Yes ☒ No

5) Identify all waste subcategories and underlying hazardous constituents (UHC): _____

L. Shipping and Handling

- 1) Shipping mode: Bulk Liquid ☐ Bulk Solid ☐ Drums ☒ Other ☐
 2) Bulk Container Type: Vac Truck ☐ Tank Truck ☐ Dump Trailer ☐ Roll Off ☐ Other _____
 3) Drum Container Type: Fibre ☐ Poly ☒ Closed Head Steel ☐ Open Head Steel ☐ Other _____ Size 55 gallon
 4) Frequency: One Time ☐ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly ☐ Other _____
 5) Volume per shipment: Drums 1 Gallons _____ Ton/Yards _____
 6) DOT Hazardous: Yes ☒ No ☐ Marine Pollutant Yes ☐ No ☒ Poison Inhalation Hazard? Yes ☐ No ☒
 7) DOT Shipping Name: WASTE ORGANIC SOLID Technical Constituents: _____
 8) DOT ID #: UN199 RQ # _____ 9) Packaging Group: III 10) Hazard Class: 3
 11) EPA/State Hazardous Waste Numbers: (D, K, F, U, P) see

Generator Certification

A representative sample of the waste stream was obtained using an EPA approved method and corresponds to the information on this profile.

I hereby certify that the above and attached description is complete and accurate and that no deliberate or willful omissions of compositions or properties exists, and that all known or suspected hazards have been disclosed.

Generator's Authorized Signatory:

Ruth Yennaw Title Materials Mgr Date 5/9/95

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AD38232

D. Waste Information

Common Name of Waste SODIUM HYDROSULFATE

Detailed Description of Process Generating Waste. (A detailed description must be provided, attach additional sheets if necessary)

Raw material can no longer use.

Raw materials used in process:

E. Regulatory Information

	Yes	No	Comments
1) Is this a US EPA hazardous waste?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2) Is this a US EPA listed hazardous waste, or derived from a listed source? (F, K, U, P)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3) Is this a PCB waste regulated by TSCA? (Is PCB > 50 ppm or derived from source > 50 ppm)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4) Is this a State Hazardous Waste?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5) Is this waste generated from a CERCLA cleanup action?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6) Is this a Dioxin bearing waste as per 40 CFR part 261.31?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7) Is this waste infectious or medical waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8) Is this waste radioactive?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
9) Is this waste explosive?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10) Does this waste contain debris? (If yes, please list type & percentage in section F)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
11) Does this waste contain metallic fines/powders?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
12) Does this waste contain asbestos? (If yes, define type) Friable <input type="checkbox"/> , Non-Friable <input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
13) Does this waste contain solvents or volatile organic compounds? (If yes, provide specific constituents)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
14) Is this waste subject to Benzene NESHAP regulation? (>10 ppm, benzene by weight)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

F. Chemical Composition

List all hazardous and non-hazardous constituents. (Trade names are not acceptable)

	Minimum %	Average %	Maximum %
1 <u>SODIUM HYDROSULFATE</u>		<u>100</u>	
2			
3			
4			
5			
6			
7			

Total (Must add up to 100%)

G. Physical Characteristics Of Waste

Solvents/Oils (Optional)

Color	Specific Gravity	Instability	Corrosivity (pH)	Reactivity	Physical State 70° F	Content Content 87.14g/L
Color <input checked="" type="checkbox"/> NONE <input type="checkbox"/> MILD <input type="checkbox"/> STRONG	<input checked="" type="checkbox"/> <0.9 <input type="checkbox"/> 0.9-1.0 <input type="checkbox"/> 1.0-1.2 <input type="checkbox"/> >1.2 Viscosity <input type="checkbox"/> Low <input type="checkbox"/> High <input type="checkbox"/> Medium	<input type="checkbox"/> yes <input type="checkbox"/> no Explosive <input type="checkbox"/> <70° F <input type="checkbox"/> 70° F-100° F <input type="checkbox"/> 101° F-150° F <input type="checkbox"/> >150° F Actual:	<input type="checkbox"/> 1-2.0 <input checked="" type="checkbox"/> 2.01-5 <input type="checkbox"/> 5-6 <input type="checkbox"/> 6-12.49 <input type="checkbox"/> >12.50 Actual pH	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Unstable <input type="checkbox"/> Water reactive <input type="checkbox"/> Oxidizer <input type="checkbox"/> Reductive <input type="checkbox"/> Explosive <input type="checkbox"/> Generation toxic fumes <input type="checkbox"/> Other	<input type="checkbox"/> Liq/Solid mixture <input type="checkbox"/> Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Semi-solid <input type="checkbox"/> Powder <input type="checkbox"/> Slurry <input type="checkbox"/> Multi-layer <input type="checkbox"/> Single layer % Free liquids % Total solids Pumpable? <input type="checkbox"/> yes <input type="checkbox"/> no	% Hydrogen % Ash % Water % Solids

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AD38232

H. Heavy Metals☒ Total ☐ TCLPBased on:
Generator knowledge ☒
Analysis ☐

	(In parts per million)	Actual
D004 Arsenic	<input checked="" type="checkbox"/> < 5	
D005 Barium	<input checked="" type="checkbox"/> < 100	
D006 Cadmium	<input checked="" type="checkbox"/> < 1	
D007 Chromium	<input checked="" type="checkbox"/> < 5	
D008 Lead	<input checked="" type="checkbox"/> < 5	
D009 Mercury	<input checked="" type="checkbox"/> < 0.2	
D010 Selenium	<input checked="" type="checkbox"/> < 1	
D011 Silver	<input checked="" type="checkbox"/> < 5	
Copper		
Nickel		
Zinc		
Other (s):		

J. Other Components (parts per million)

Cyanides, Total	<u>16</u>	Amenable Cyanide	<u>16</u>
Sulfides, Total	<u>1</u>	Reactive Sulfide	<u>1</u>
Pesticides	<u>1</u>	Herbicides	<u>1</u>
Ammonia	<u>1</u>	PCB's, Total	<u>1</u>
HOC's, Total	<u>1</u>	VOC's, Total	<u>1</u>
OSHA Carcinogens			

Other Hazardous Ingredients _____

I. Toxicity Characteristic Organics☒ Total ☐ TCLPBased on: Generator knowledge ☒
Analysis ☐

	(In parts per million)	Actual
D012 Endrin	<input checked="" type="checkbox"/> < 0.02	
D013 Lindane	<input checked="" type="checkbox"/> < 0.4	
D014 Methoxychlor	<input checked="" type="checkbox"/> < 10.0	
D015 Toxaphene	<input checked="" type="checkbox"/> < 0.5	
D016 2, 4 D	<input checked="" type="checkbox"/> < 10.0	
D017 Silvex (2, 4, 5-TP)	<input checked="" type="checkbox"/> < 1.0	
D018 Benzene	<input checked="" type="checkbox"/> < 0.5	
D019 Carbon Tetrachloride	<input checked="" type="checkbox"/> < 0.5	
D020 Chlordane	<input checked="" type="checkbox"/> < 0.05	
D021 Chlorobenzene	<input checked="" type="checkbox"/> < 100	
D022 Chloroform	<input checked="" type="checkbox"/> < 5.0	
D023 O-Cresol	<input checked="" type="checkbox"/> < 200	
D024 M-Cresol	<input checked="" type="checkbox"/> < 200	
D025 P-Cresol	<input checked="" type="checkbox"/> < 200	
D026 Cresols	<input checked="" type="checkbox"/> < 200	
D027 1, 4 Dichlorobenzene	<input checked="" type="checkbox"/> < 7.5	
D028 1, 2 Dichloroethane	<input checked="" type="checkbox"/> < 0.5	
D029 1, 1 Dichloroethylene	<input checked="" type="checkbox"/> < 0.7	
D030 2, 4 Dinitrotoluene	<input checked="" type="checkbox"/> < 0.13	
D031 Heptachlor	<input checked="" type="checkbox"/> < 0.008	
D032 Hexachlorobenzene	<input checked="" type="checkbox"/> < 0.13	
D033 Hexachlorobutadiene	<input checked="" type="checkbox"/> < 0.5	
D034 Hexachloroethane	<input checked="" type="checkbox"/> < 3.0	
D035 Methyl Ethyl Ketone	<input checked="" type="checkbox"/> < 200	
D036 Nitrobenzene	<input checked="" type="checkbox"/> < 2.0	
D037 Pentachlorophenol	<input checked="" type="checkbox"/> < 100	
D038 Pyridine	<input checked="" type="checkbox"/> < 5.0	
D039 Tetrachloroethylene	<input checked="" type="checkbox"/> < 0.7	
D040 Trichloroethylene	<input checked="" type="checkbox"/> < 0.5	
D041 2, 4, 6 Trichlorophenol	<input checked="" type="checkbox"/> < 400	
D042 2, 4, 6 Trichlorophenol	<input checked="" type="checkbox"/> < 2.0	
D043 Vinyl Chloride	<input checked="" type="checkbox"/> < 0.2	

K. Land Disposal Restrictions

- 1) Is waste subject to land ban? ☒ Yes ☐ No
 If yes, complete enclosed LDR form.
☒ Restricted waste requires treatment
☐ Waste meets treatment standards
☐ Waste subject to variance. Effective until _____ (date)

- 2) Is waste a wastewater or non-wastewater? ☒ Yes ☐ No
 3) Is waste a debris? ☐ Yes ☒ No
 4) Is waste a soil? ☐ Yes ☒ No
 5) Identify all waste subcategories and underlying hazardous constituents (UHC):

L. Shipping and Handling

- 1) Shipping mode: Bulk Liquid ☐ Bulk Solid ☐ Drums ☒ Other ☐
 2) Bulk Container Type: Vac Truck ☐ Tank Truck ☐ Dump Trailer ☐ Roll Off ☐ Other _____
 3) Drum Container Type: Fibre ☐ Poly ☒ Closed Head Steel ☐ Open Head Steel ☐ Other _____ Size 55 gallon
 4) Frequency: One Time ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly ☐ Other _____
 5) Volume per shipment: Drums 1 Gallons _____ Ton/Yards _____
 6) DOT Hazardous: Yes ☒ No ☐ Marine Pollutant Yes ☐ No ☒ Poison Inhalation Hazard? Yes ☐ No ☒
 7) DOT Shipping Name: UN1993 Styrene Monomer Technical Constituents: _____
 8) DOT ID #: UN1993 RC # _____ 9) Packaging Group: II 10) Hazard Class: 3.2
 11) EPA/State Hazardous Waste Number(s): (D, K, F, U, P) D002

Generator Certification

A representative sample of the waste stream was obtained using an EPA approved method and corresponds to the information on this profile.

I hereby certify that the above and attached description is complete and accurate and that no deliberate or willful omissions of compositions or properties exists, and that all known or suspected hazards have been disclosed.

Generator's Authorized Signatory:

Ruth Tenenbaum Title Materials MGR Date 5/9/95

877490196

AD38226

D. Waste Information

Common Name of Waste BISMUTH WASTE

Detailed Description of Process Generating Waste. (A detailed description must be provided, attach additional sheets if necessary)

Processing solution (intermediate) which is no longer in use to give

Raw materials used in process:

E. Regulatory Information

- | | | |
|---|---|--|
| 1) Is this a US EPA hazardous waste? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 2) Is this a US EPA listed hazardous waste, or derived from a listed source? (F, K, U, P) | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 3) Is this a PCB waste regulated by TSCA? (Is PCB > 50 ppm or derived from source > 50 ppm) | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 4) Is this a State Hazardous Waste? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 5) Is this waste generated from a CERCLA cleanup action? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 6) Is this a Dioxin bearing waste as per 40 CFR part 261.31? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 7) Is this waste infectious or medical waste? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 8) Is this waste radioactive? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 9) Is this waste explosive? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 10) Does this waste contain debris? (If yes, please list type & percentage in section F) | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 11) Does this waste contain metallic fines/powders? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 12) Does this waste contain asbestos? (If yes, define type: Friable <input type="checkbox"/> , Non-Friable <input type="checkbox"/> | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 13) Does this waste contain solvents or volatile organic compounds? (If yes, provide specific constituents) | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 14) Is this waste subject to Benzene NESHAP regulation? (>10 ppm, benzene by weight) | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |

Comments

F. Chemical Composition

List all hazardous and non-hazardous constituents. (Trade names are not acceptable)

	Minimum %	Average %	Maximum %
1 <u>BISMUTH SUBOXYIDE</u>	<u>35</u>		<u>95</u>
2 <u>ACETIC ACID</u>	<u>1</u>		<u>2</u>
3 <u>LEAD C. ACID</u>	<u>1</u>		<u>3</u>
4 <u>WATER</u>	<u>55</u>		<u>65</u>
5			
6			
7			

Total (Must add up to 100%)

G. Physical Characteristics Of Waste

Solvents/Oils (Optional)

Color <u>DARK</u> NONE MILD STRONG	Specific Gravity <input type="checkbox"/> <0.9 <input type="checkbox"/> 0.9-1.0 <input type="checkbox"/> 1.0-1.2 <input type="checkbox"/> >1.2 Viscosity <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High	Ignitability <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Flash Point <input type="checkbox"/> <100° F <input type="checkbox"/> 101° F-100° F <input type="checkbox"/> 101° F-130° F <input type="checkbox"/> ≥ 140° F Acidic	Concentration (pH) <input checked="" type="checkbox"/> ≤ 2.0 <input type="checkbox"/> 2.01-4 <input type="checkbox"/> 5-9 <input type="checkbox"/> 9-12.00 <input type="checkbox"/> ≥ 12.00 Actual pH:	Reactivity <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unstable <input type="checkbox"/> Water Reactive <input type="checkbox"/> Oxidizer <input type="checkbox"/> Reductant <input type="checkbox"/> Explosive <input type="checkbox"/> Corrosive to metals <input type="checkbox"/> Other	Physical State 70° F <input type="checkbox"/> Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Semi-solid <input type="checkbox"/> Powder <input type="checkbox"/> Slurry <input type="checkbox"/> Non-Slurry <input type="checkbox"/> Single layer <input type="checkbox"/> Multiple layers % Free liquid <u>100</u> % Total solids <u>0</u> Pumpable? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	Odors Contained (ppm) % Hydrogen % Ash % Water % Solids
---	--	---	--	--	--	--

PUNGENT

877490197

AD38226

H. Heavy Metals☒ Total ☐ TCLPBased on:
Generator knowledge ☒
Analysis ☐

	(In parts per million)	Actual
D004 Arsenic	<input checked="" type="checkbox"/> < 5	
D005 Barium	<input checked="" type="checkbox"/> < 100	
D006 Cadmium	<input checked="" type="checkbox"/> < 1	
D007 Chromium	<input checked="" type="checkbox"/> < 5	
D008 Lead	<input checked="" type="checkbox"/> < 5	
D009 Mercury	<input checked="" type="checkbox"/> < 0.2	
D010 Selenium	<input checked="" type="checkbox"/> < 1	
D011 Silver	<input checked="" type="checkbox"/> < 5	
Copper		
Nickel		
Zinc		
Other (s):		

J. Other Components (parts per million)

Cyanides, Total	<u>ND</u>	Amenable Cyanide	<u>ND</u>
Sulfides, Total	<u>ND</u>	Reactive Sulfide	<u>ND</u>
Pesticides	<u>ND</u>	Herbicides	<u>ND</u>
Ammonia	<u>ND</u>	PCB's, Total	<u>ND</u>
HOC'S, Total	<u>ND</u>	VOC's, Total	<u>ND</u>
OSHA Carcinogens	<u>ND</u>		

Other Hazardous Ingredients _____

I. Toxicity Characteristic Organics☒ Total ☐ TCLPBased on: Generator knowledge ☒
Analysis ☐

	(In parts per million)	Actual
D012 Endrin	<input checked="" type="checkbox"/> < 0.02	
D013 Lindane	<input checked="" type="checkbox"/> < 0.4	
D014 Methoxychlor	<input checked="" type="checkbox"/> < 10.0	
D015 Toxaphene	<input checked="" type="checkbox"/> < 0.5	
D016 2, 4 D	<input checked="" type="checkbox"/> < 10.0	
D017 Silvex (2, 4, 6-TP)	<input checked="" type="checkbox"/> < 1.0	
D018 Benzene	<input checked="" type="checkbox"/> < 0.5	
D019 Carbon Tetrachloride	<input checked="" type="checkbox"/> < 0.5	
D020 Chlordane	<input checked="" type="checkbox"/> < 0.03	
D021 Chlorobenzene	<input checked="" type="checkbox"/> < 100	
D022 Chloroform	<input checked="" type="checkbox"/> < 5.0	
D023 O-Cresol	<input checked="" type="checkbox"/> < 200	
D024 M-Cresol	<input checked="" type="checkbox"/> < 200	
D025 P-Cresol	<input checked="" type="checkbox"/> < 200	
D026 Cresols	<input checked="" type="checkbox"/> < 200	
D027 1, 4 Dichlorobenzene	<input checked="" type="checkbox"/> < 7.5	
D028 1, 2 Dichloroethane	<input checked="" type="checkbox"/> < 0.5	
D029 1, 1 Dichloroethylene	<input checked="" type="checkbox"/> < 0.7	
D030 2, 4 Dinitrotoluene	<input checked="" type="checkbox"/> < 0.13	
D031 Heptachlor	<input checked="" type="checkbox"/> < 0.008	
D032 Hexachlorobenzene	<input checked="" type="checkbox"/> < 0.13	
D033 Hexachlorobutadiene	<input checked="" type="checkbox"/> < 0.5	
D034 Hexachloroethane	<input checked="" type="checkbox"/> < 3.0	
D035 Methyl Ethyl Ketone	<input checked="" type="checkbox"/> < 200	
D036 Nitrobenzene	<input checked="" type="checkbox"/> < 2.0	
D037 Pentachlorophenol	<input checked="" type="checkbox"/> < 100	
D038 Pyridine	<input checked="" type="checkbox"/> < 5.0	
D039 Tetrachloroethylene	<input checked="" type="checkbox"/> < 0.7	
D040 Trichloroethylene	<input checked="" type="checkbox"/> < 0.5	
D041 2, 4, 5 Trichlorophenol	<input checked="" type="checkbox"/> < 100	
D042 2, 4, 6 Trichlorophenol	<input checked="" type="checkbox"/> < 2.0	
D043 Vinyl Chloride	<input checked="" type="checkbox"/> < 0.2	

K. Land Disposal Restrictions

- 1) Is waste subject to land ban? ☒ Yes ☐ No
 If yes, complete enclosed LDR form.
☒ Restricted waste requires treatment
☐ Waste meets treatment standards
☐ Waste subject to variance. Effective until _____ (date)

- 2) Is waste a wastewater or non-wastewater? ☒ ☐
 3) Is waste a debris? ☐ Yes ☒ No
 4) Is waste a soil? ☐ Yes ☒ No
 5) Identify all waste subcategories and underlying hazardous constituents (UHC): _____

L. Shipping and Handling

- 1) Shipping mode: Bulk Liquid ☐ Bulk Solid ☐ Drums ☒ Other ☐
 2) Bulk Container Type: Vac Truck ☐ Tank Truck ☐ Dump Trailer ☐ Roll Off ☐ Other _____
 3) Drum Container Type: Fibre ☐ Poly ☒ Closed Head Steel ☐ Open Head Steel ☐ Other _____ Size 55 Gallon
 4) Frequency: One Time ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly ☐ Other _____
 5) Volume per shipment: Drums 2 Gallons _____ Ton/Yards _____
 6) DOT Hazardous: Yes ☒ No ☐ Marine Pollutant Yes ☐ No ☒ Poison Inhalation Hazard? Yes ☐ No ☒
 7) DOT Shipping Name: 6-ACETIC ACID, 100% (GLACIAL ACETIC ACID) Technical Constituents: _____
 8) DOT ID #: UN 1760 RQ # _____ 9) Packaging Group: II 10) Hazard Class: 8
 11) EPA/State Hazardous Waste Numbers: (D, K, F, U, P) 0002

Generator Certification

A representative sample of the waste stream was obtained using an EPA approved method and corresponds to the information on this profile.

I hereby certify that the above and attached description is complete and accurate and that no deliberate or willful omissions of compositions or properties exists, and that all known or suspected hazards have been disclosed.

Generator's Authorized Signatory:

Paul Herrera Title Materials Manager Date 5/9/95

AD 38232

D. Waste InformationCommon Name of Waste SODIUM HYDROSULFATE

Detailed Description of Process Generating Waste. (A detailed description must be provided, attach additional sheets if necessary)

Raw material can no longer use.

Raw materials used in process:

E. Regulatory Information

	Yes	No	Comments
1) Is this a US EPA hazardous waste?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2) Is this a US EPA listed hazardous waste, or derived from a listed source? (F, K, U, P)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3) Is this a PCB waste regulated by TSCA? (Is PCB > 50 ppm or derived from source > 50 ppm)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4) Is this a State Hazardous Waste?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5) Is this waste generated from a CERCLA cleanup action?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6) Is this a Dioxin bearing waste as per 40 CFR part 261.31?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7) Is this waste infectious or medical waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8) Is this waste radioactive?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
9) Is this waste explosive?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10) Does this waste contain debris? (If yes, please list type & percentage in section F)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
11) Does this waste contain metallic fines/powders?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
12) Does this waste contain asbestos? (If yes, define type) Friable <input type="checkbox"/> , Non-Friable <input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
13) Does this waste contain solvents or volatile organic compounds? (If yes, provide specific constituents)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
14) Is this waste subject to Benzene NESHAP regulation? (> 10 ppm, benzene by weight)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

F. Chemical Composition

List all hazardous and non-hazardous constituents. (Trade names are not acceptable)

	Minimum %	Average %	Maximum %
1 <u>SODIUM HYDROSULFATE</u>		<u>100</u>	
2			
3			
4			
5			
6			
7			

Total (Must add up to 100%)

G. Physical Characteristics Of Waste

Solvents/Oils (Optional)

Color	Specific Gravity	Volatility	Corrosivity	Stability	Physical State 70° F	Color: Content 5% (Optional)
Color: <input type="checkbox"/> NONE <input checked="" type="checkbox"/> MILD <input type="checkbox"/> STRONG	Specific Gravity: <input checked="" type="checkbox"/> < 0.8 <input type="checkbox"/> 0.8-1.0 <input type="checkbox"/> 1.0-1.2 <input type="checkbox"/> > 1.2 <input type="checkbox"/> Insoluble <input type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High	Volatility: <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Flash Point: <input type="checkbox"/> < 70° F <input type="checkbox"/> 70° F-100° F <input type="checkbox"/> 101° F-130° F <input type="checkbox"/> > 140° F Actual:	Corrosivity: <input checked="" type="checkbox"/> < 2.0 <input type="checkbox"/> 2.01-5 <input type="checkbox"/> 5-9 <input type="checkbox"/> 9-12.49 <input type="checkbox"/> > 12.50 Actual pH:	Stability: <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Unstable <input type="checkbox"/> Water reactive <input type="checkbox"/> Cyanide <input type="checkbox"/> Sulfide <input type="checkbox"/> Explosive <input type="checkbox"/> Generation toxic fumes <input type="checkbox"/> Other:	Physical State 70° F: <input type="checkbox"/> Liq./Solid mixture <input type="checkbox"/> Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Semi-solid <input type="checkbox"/> Powder <input type="checkbox"/> Slurry <input type="checkbox"/> White slurry <input type="checkbox"/> Single layer % Free Solids: % Total Solids: Pumpable? <input type="checkbox"/> yes <input type="checkbox"/> no	Color: Content 5% (Optional): % Halogens: % Ash: % Water: % Solids:

877490199

SENT BY:

05-12-95 03:33PM

AD38232

H. Heavy Metals☒ Total ☐ TCLPBased on: Generator knowledge ☒
Analysis ☐

(In parts per million)

Actual

D004 Arsenic	<input checked="" type="checkbox"/> < 5	_____
D005 Barium	<input checked="" type="checkbox"/> < 100	_____
D006 Cadmium	<input checked="" type="checkbox"/> < 1	_____
D007 Chromium	<input checked="" type="checkbox"/> < 5	_____
D008 Lead	<input checked="" type="checkbox"/> < 5	_____
D009 Mercury	<input checked="" type="checkbox"/> < 0.2	_____
D010 Selenium	<input checked="" type="checkbox"/> < 1	_____
D011 Silver	<input checked="" type="checkbox"/> < 5	_____
Copper	_____	_____
Nickel	_____	_____
Zinc	_____	_____
Other (s):	_____	_____

J. Other Components (parts per million)

Cyanides, Total	<u>Nb</u>	Amenable Cyanide	<u>Nb</u>
Sulfides, Total	<u>f</u>	Reactive Sulfide	<u>f</u>
Pesticides	<u>f</u>	Herbicides	<u>f</u>
Ammonia	<u>f</u>	PCB's, Total	<u>f</u>
HOC's, Total	<u>f</u>	VOC's, Total	<u>f</u>
OSHA Carcinogens	_____		_____

Other Hazardous Ingredients _____

I. Toxicity Characteristic Organics☒ Total ☐ TCLPBased on: Generator knowledge ☒
Analysis ☐

(In parts per million)

Actual

D012 Endrin	<input checked="" type="checkbox"/> < 0.02	_____
D013 Lindane	<input checked="" type="checkbox"/> < 0.4	_____
D014 Methoxychlor	<input checked="" type="checkbox"/> < 10.0	_____
D015 Toxaphene	<input checked="" type="checkbox"/> < 0.5	_____
D016 2, 4 D	<input checked="" type="checkbox"/> < 10.0	_____
D017 Silvex (2, 4 5-TP)	<input checked="" type="checkbox"/> < 1.0	_____
D018 Benzene	<input checked="" type="checkbox"/> < 0.5	_____
D019 Carbon Tetrachloride	<input checked="" type="checkbox"/> < 0.8	_____
D020 Chlordane	<input checked="" type="checkbox"/> < 0.03	_____
D021 Chlorobenzene	<input checked="" type="checkbox"/> < 100	_____
D022 Chloroform	<input checked="" type="checkbox"/> < 0.0	_____
D023 O-Cresol	<input checked="" type="checkbox"/> < 200	_____
D024 M-Cresol	<input checked="" type="checkbox"/> < 200	_____
D025 P-Cresol	<input checked="" type="checkbox"/> < 200	_____
D026 Cresols	<input checked="" type="checkbox"/> < 200	_____
D027 1, 4 Dichlorobenzene	<input checked="" type="checkbox"/> < 7.5	_____
D028 1, 2 Dichloroethane	<input checked="" type="checkbox"/> < 0.5	_____
D029 1, 1 Dichloroethylene	<input checked="" type="checkbox"/> < 0.7	_____
D030 2, 4 Dinitrotoluene	<input checked="" type="checkbox"/> < 0.13	_____
D031 Heptachlor	<input checked="" type="checkbox"/> < 0.008	_____
D032 Hexachlorobenzene	<input checked="" type="checkbox"/> < 0.13	_____
D033 Hexachlorobutadiene	<input checked="" type="checkbox"/> < 0.5	_____
D034 Hexachloroethane	<input checked="" type="checkbox"/> < 2.0	_____
D035 Methyl Ethyl Ketone	<input checked="" type="checkbox"/> < 200	_____
D036 Nitrobenzene	<input checked="" type="checkbox"/> < 2.0	_____
D037 Pentachlorophenol	<input checked="" type="checkbox"/> < 100	_____
D038 Pyridine	<input checked="" type="checkbox"/> < 5.0	_____
D039 Tetrachloroethylene	<input checked="" type="checkbox"/> < 2.0	_____
D040 Trichloroethylene	<input checked="" type="checkbox"/> < 0.5	_____
D041 2, 4, 6 Trichlorophenol	<input checked="" type="checkbox"/> < 400	_____
D042 2, 4, 6 Trichlorophenol	<input checked="" type="checkbox"/> < 2.0	_____
D043 Vinyl Chloride	<input checked="" type="checkbox"/> < 0.2	_____

K. Land Disposal Restrictions

- 1) Is waste subject to land ban? ☒ Yes ☐ No
 If yes, complete enclosed LDR form.
☒ Restricted waste requires treatment
☐ Waste meets treatment standards
☐ Waste subject to variance. Effective until _____ (date)

- 2) Is waste a wastewater or non-wastewater? ☒
 3) Is waste a debris? ☐ Yes ☒ No
 4) Is waste a soil? ☐ Yes ☒ No
 5) Identify all waste subcategories and underlying hazardous constituents (UHC): _____

L. Shipping and Handling

- 1) Shipping mode: Bulk Liquid ☐ Bulk Solid ☐ Drums ☒ Other ☐
 2) Bulk Container Type: Vac Truck ☐ Tank Truck ☐ Dump Trailer ☐ Roll Off ☐ Other _____
 3) Drum Container Type: Fibre ☐ Poly ☒ Closed Head Steel ☐ Open Head Steel ☐ Other _____ Size 55 gallon
 4) Frequency: One Time ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly ☐ Other _____
 5) Volume per shipment: Drums 1 Gallons _____ Ton/Yards _____
 6) DOT Hazardous: Yes ☒ No ☐ Marine Pollutant Yes ☐ No ☒ Poison Inhalation Hazard? Yes ☐ No ☒
 7) DOT Shipping Name: Waste from Process or Technical Constituents: _____
 8) DOT ID #: UNNA 1384 RQ # _____ 9) Packaging Group: III 10) Hazard Class: 9.2
 11) EPA/State Hazardous Waste Numbers: (D, K, F, U, P): 002

Generator Certification

A representative sample of the waste stream was obtained using an EPA approved method and corresponds to the information on this profile.

I hereby certify that the above and attached description is complete and accurate and that no deliberate or willful omissions of compositions or properties exists, and that all known or suspected hazards have been disclosed.

Generator's Authorized Signatory:

Ruth Tenenau Title Materials MGR Date 5/9/95

AD38231

D. Waste InformationCommon Name of Waste RHODINE 2-1-3

Detailed Description of Process Generating Waste. (A detailed description must be provided, attach additional sheets if necessary)

Highly product for disposal - used to sanitize plant water system and maintain equipment.

Raw materials used in process:

E. Regulatory Information

	Yes	No	Comments
1) Is this a US EPA hazardous waste?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
2) Is this a US EPA listed hazardous waste, or derived from a listed source? (F, K, U, P)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
3) Is this a PCB waste regulated by TSCA? (Is PCB > 50 ppm or derived from source > 50 ppm)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
4) Is this a State Hazardous Waste?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
5) Is this waste generated from a CERCLA cleanup action?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
6) Is this a Dioxin bearing waste as per 40 CFR part 261.31?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
7) Is this waste infectious or medical waste?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
8) Is this waste radioactive?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
9) Is this waste explosive?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
10) Does this waste contain debris? (If yes, please list type & percentage in section F)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
11) Does this waste contain metallic fines/powders?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
12) Does this waste contain asbestos? (If yes, define type) Friable <input type="checkbox"/> , Non-Friable <input type="checkbox"/>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
13) Does this waste contain solvents or volatile organic compounds? (If yes, provide specific constituents)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
14) Is this waste subject to Benzene NESHAP regulation? (> 10 ppm, benzene by weight)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

F. Chemical Composition

List all hazardous and non-hazardous constituents. (Trade names are not acceptable)

	Minimum %	Average %	Maximum %
1			
2 <u>PROPARGYL ALCOHOL</u>	<u>50</u>		<u>60</u>
3 <u>TRIPHENYL SULPHONIUM CHLORIDE</u>	<u>20</u>		<u>30</u>
4 <u>FORMALDEHYDE</u>	<u>1</u>		<u>2</u>
5			
6			
7			

Total (Must add up to 100%)

G. Physical Characteristics Of Waste

Color	Specific Gravity	Volatility	Corrosivity	Reactivity	Physical State 70° F	Solvents/Oils (Optional)
<u>Color</u> NONE MILD STRONG	<u>Specific Gravity</u> 0.8 0.9-1.0 1.0-1.2 1.2	<u>Volatility</u> 70° F 70° F-100° F 101° F-180° F ≥ 140° F	<u>Corrosivity</u> pH ≤ 2.0 2.01-9 9-12.00 ≥ 12.00	<u>Reactivity</u> Unstable Water reactive Oxidizer Explosive Organic Peroxide Other	<u>Physical State 70° F</u> Liquid Solid Semi-solid Powder Slurry Single layer Multiple layer Free liquid Total solids Percentage? Yes No	<u>Solvents/Oils (Optional)</u> % Halogenes % Ash % Water % Solids

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AD38231

H. Heavy Metals

☒ Total ☐ TCLPBased on:
Generator knowledge ☒
Analysis ☐

	(In parts per million)	Actual
D004 Arsenic	<input checked="" type="checkbox"/> < 5	
D005 Barium	<input checked="" type="checkbox"/> < 100	
D006 Cadmium	<input checked="" type="checkbox"/> < 1	
D007 Chromium	<input checked="" type="checkbox"/> < 5	
D008 Lead	<input checked="" type="checkbox"/> < 5	
D009 Mercury	<input checked="" type="checkbox"/> < 0.2	
D010 Selenium	<input checked="" type="checkbox"/> < 1	
D011 Silver	<input checked="" type="checkbox"/> < 5	
Copper		
Nickel		
Zinc		
Other (s):		

J. Other Components (parts per million)

Cyanides, Total	<u>N/A</u>	Amenable Cyanide	<u>N/A</u>
Sulfides, Total	<u>1</u>	Reactive Sulfide	<u>1</u>
Pesticides	<u>1</u>	Herbicides	<u>1</u>
Ammonia	<u>1</u>	PCB's, Total	<u>1-2%</u>
HOC'S, Total	<u>1</u>	VOC's, Total	<u>1-2%</u>
OSHA Carcinogens			

Other Hazardous Ingredients

I. Toxicity Characteristic Organics

☒ Total ☐ TCLPBased on: Generator knowledge ☒
Analysis ☐

	(In parts per million)	Actual
D012 Endrin	<input checked="" type="checkbox"/> < 0.02	
D013 Lindane	<input checked="" type="checkbox"/> < 0.4	
D014 Methoxychlor	<input checked="" type="checkbox"/> < 10.0	
D015 Toxaphene	<input checked="" type="checkbox"/> < 0.5	
D016 2, 4 D	<input checked="" type="checkbox"/> < 10.0	
D017 Silvex (2, 4, 6-TP)	<input checked="" type="checkbox"/> < 1.0	
D018 Benzene	<input checked="" type="checkbox"/> < 0.5	
D019 Carbon Tetrachloride	<input checked="" type="checkbox"/> < 0.5	
D020 Chlordane	<input checked="" type="checkbox"/> < 0.08	
D021 Chlorobenzene	<input checked="" type="checkbox"/> < 100	
D022 Chloroform	<input checked="" type="checkbox"/> < 0.0	
D023 O-Cresol	<input checked="" type="checkbox"/> < 200	
D024 M-Cresol	<input checked="" type="checkbox"/> < 200	
D025 P-Cresol	<input checked="" type="checkbox"/> < 200	
D026 Cresols	<input checked="" type="checkbox"/> < 200	
D027 1, 4 Dichlorobenzene	<input checked="" type="checkbox"/> < 7.5	
D028 1, 2 Dichloroethane	<input checked="" type="checkbox"/> < 0.5	
D029 1, 1 Dichloroethylene	<input checked="" type="checkbox"/> < 0.7	
D030 2, 4 Dinitrotoluene	<input checked="" type="checkbox"/> < 0.13	
D031 Heptachlor	<input checked="" type="checkbox"/> < 0.008	
D032 Hexachlorobenzene	<input checked="" type="checkbox"/> < 0.13	
D033 Hexachlorobutadiene	<input checked="" type="checkbox"/> < 0.5	
D034 Hexachloroethane	<input checked="" type="checkbox"/> < 0.0	
D035 Methyl Ethyl Ketone	<input checked="" type="checkbox"/> < 200	
D036 Nitrobenzene	<input checked="" type="checkbox"/> < 0.0	
D037 Pentachlorophenol	<input checked="" type="checkbox"/> < 100	
D038 Pyridine	<input checked="" type="checkbox"/> < 0.0	
D039 Tetrachloroethylene	<input checked="" type="checkbox"/> < 0.0	
D040 Trichloroethylene	<input checked="" type="checkbox"/> < 0.5	
D041 2, 4, 6 Trichlorophenol	<input checked="" type="checkbox"/> < 200	
D042 2, 4, 6 Trichlorophenol	<input checked="" type="checkbox"/> < 2.0	
D043 Vinyl Chloride	<input checked="" type="checkbox"/> < 0.2	

K. Land Disposal Restrictions

- 1) Is waste subject to land ban? ☒ Yes ☐ No
If yes, complete enclosed LDR form.
☒ Restricted waste requires treatment
☐ Waste meets treatment standards
☐ Waste subject to variance. Effective until _____ (date).

- 2) Is waste a wastewater or non-wastewater? ☐ ☒
3) Is waste a debris? ☐ Yes ☒ No
4) Is waste a soil? ☐ Yes ☒ No
5) Identify all waste subcategories and underlying hazardous constituents (UHC):

L. Shipping and Handling

- 1) Shipping mode: Bulk Liquid ☐ Bulk Solid ☐ Drums ☒ Other ☐
2) Bulk Container Type: Vac Truck ☐ Tank Truck ☐ Dump Trailer ☐ Roll Off ☐ Other ☐
3) Drum Container Type: Fibre ☐ Poly ☒ Closed Head Steel ☐ Open Head Steel ☐ Other ☐ Size 27
4) Frequency: One Time ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly ☐ Other ☐
5) Volume per shipment: Drums 2, Gallons _____, Ton/Yards _____
6) DOT Hazardous: Yes ☒ No ☐ Marine Pollutant Yes ☐ No ☒ Poison Inhalation Hazard? Yes ☐ No ☒
7) DOT Shipping Name: UNNA 1993 RQ # _____ 9) Packaging Group: III 10) Hazard Class: 3
11) EPA/State Hazardous Waste Number(s): (D, K, F, U, P): D001

Generator Certification

A representative sample of the waste stream was obtained using an EPA approved method and corresponds to the information on this profile.

I hereby certify that the above and attached description is complete and accurate and that no deliberate or willful omissions of compositions or properties exists, and that all known or suspected hazards have been disclosed.

Generator's Authorized Signatory:

Kath Curran Title MATERIALS MGR Date 5/9/95

D. Waste Information

AD38 230

Common Name of Waste AMMONIUM HYDROXIDE + WATER

Detailed Description of Process Generating Waste. (A detailed description must be provided, attach additional sheets if necessary)

Highly corrosive material removed due to fire

Raw materials used in process:

E. Regulatory Information

	Yes	No	Comments
1) Is this a US EPA hazardous waste?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
2) Is this a US EPA listed hazardous waste, or derived from a listed source? (F, K, U, P)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
3) Is this a PCB waste regulated by TSCA? (Is PCB > 60 ppm or derived from source > 50 ppm)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
4) Is this a State Hazardous Waste?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
5) Is this waste generated from a CERCLA cleanup action?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
6) Is this a Dioxin bearing waste as per 40 CFR part 261.31?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
7) Is this waste infectious or medical waste?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
8) Is this waste radioactive?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
9) Is this waste explosive?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
10) Does this waste contain debris? (If yes, please list type & percentage in section F)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
11) Does this waste contain metallic fines/powders?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
12) Does this waste contain asbestos? (If yes, define type) Friable <input type="checkbox"/> Non-Friable <input type="checkbox"/>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
13) Does this waste contain solvents or volatile organic compounds? (If yes, provide specific constituents)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
14) Is this waste subject to Benzene NESHAP regulation? (> 10 ppm, benzene by weight)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

F. Chemical Composition

List all hazardous and non-hazardous constituents. (Trade names are not acceptable)

	Minimum %	Average %	Maximum %
1 <u>AMMONIUM HYDROXIDE</u>	<u>25</u>		<u>30</u>
2 <u>WATER</u>	<u>70</u>		<u>75</u>
3			
4			
5			
6			
7			

Total (Must add up to 100%)

G. Physical Characteristics Of Waste

Solvents/Oils (Optional)

Color	Specific Gravity	Volatility	Concentration (wt %)	Reactivity	Physical State 70° F	Caloric Content BTU/lb
<u>Clear</u>	<input checked="" type="checkbox"/> < 0.8 <input type="checkbox"/> 0.8-1.0 <input type="checkbox"/> 1.0-1.2 <input type="checkbox"/> > 1.2	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no Flash Point <input type="checkbox"/> < 70° F <input type="checkbox"/> 70° F-100° F <input type="checkbox"/> 101° F-130° F <input type="checkbox"/> > 140° F	<input type="checkbox"/> ≤ 2.0 <input type="checkbox"/> 2.01-5 <input type="checkbox"/> 5-6 <input checked="" type="checkbox"/> 6-12.49 <input type="checkbox"/> ≥ 12.50	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Unstable <input type="checkbox"/> Water reactive <input type="checkbox"/> Oxidizer <input type="checkbox"/> Explosive <input type="checkbox"/> Corrosive toxic <input type="checkbox"/> Other	<input type="checkbox"/> Gas/Liquid mixture <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Semi-solid <input type="checkbox"/> Powder <input type="checkbox"/> Slurry <input type="checkbox"/> Multilayer <input type="checkbox"/> Single layer % Free Solids <u>100</u> % Total Solids Pumpable? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	% Hydrogen % Ash % Water % Solids
Other: <u>None</u> NONE MILD STRONG	Viscosity <input checked="" type="checkbox"/> Low <input type="checkbox"/> High <input type="checkbox"/> Medium	Actual:	Actual pH:			

877490203

AD38230

H. Heavy Metals

☒ Total ☐ TCLPBased on:
Generator knowledge ☒
Analysis ☐

(In parts per million) Actual

D004 Arsenic ☒ < 5 _____

D005 Barium ☒ < 100 _____

D006 Cadmium ☒ < 1 _____

D007 Chromium ☒ < 5 _____

D008 Lead ☒ < 5 _____

D009 Mercury ☒ < 0.2 _____

D010 Selenium ☒ < 1 _____

D011 Silver ☒ < 5 _____

Copper _____

Nickel _____

Zinc _____

Other (s): _____

J. Other Components

(parts per million)

Cyanides, Total N/A Amenable Cyanide N/A

Sulfides, Total ↓ Reactive Sulfide ↓

Pesticides ↓ Herbicides ↓

Ammonia 5.0% PCB's, Total ↓

HOC's, Total N/A VOC's, Total ↓

OSHA Carcinogens _____

Other Hazardous Ingredients _____

I. Toxicity Characteristic Organics

☒ Total ☐ TCLPBased on: Generator knowledge ☒
Analysis ☐

(In parts per million) Actual

D012 Endrin ☒ < 0.02 _____

D013 Lindane ☒ < 0.4 _____

D014 Methoxychlor ☒ < 10.0 _____

D015 Toxaphene ☒ < 0.5 _____

D016 2, 4 D ☒ < 10.0 _____

D017 Silvex (2, 4 5-TP) ☒ < 1.0 _____

D018 Benzene ☒ < 0.5 _____

D019 Carbon Tetrachloride ☒ < 0.5 _____

D020 Chlordane ☒ < 0.03 _____

D021 Chlorobenzene ☒ < 100 _____

D022 Chloroform ☒ < 5.0 _____

D023 O-Cresol ☒ < 200 _____

D024 M-Cresol ☒ < 200 _____

D025 P-Cresol ☒ < 200 _____

D026 Cresols ☒ < 200 _____

D027 1, 4 Dichlorobenzene ☒ < 7.5 _____

D028 1, 2 Dichloroethane ☒ < 0.5 _____

D029 1, 1 Dichloroethylene ☒ < 0.7 _____

D030 2, 4 Dinitrotoluene ☒ < 0.13 _____

D031 Heptachlor ☒ < 0.008 _____

D032 Hexachlorobenzene ☒ < 0.13 _____

D033 Hexachlorobutadiene ☒ < 0.5 _____

D034 Hexachloroethane ☒ < 3.0 _____

D035 Methyl Ethyl Ketone ☒ < 200 _____

D036 Nitrobenzene ☒ < 2.0 _____

D037 Pentachlorophenol ☒ < 100 _____

D038 Pyridine ☒ < 5.0 _____

D039 Tetrachloroethylene ☒ < 0.7 _____

D040 Trichloroethylene ☒ < 0.5 _____

D041 2, 4, 5 Trichlorophenol ☒ < 100 _____

D042 2, 4, 6 Trichlorophenol ☒ < 2.0 _____

D043 Vinyl Chloride ☒ < 0.2 _____

K. Land Disposal Restrictions

1) Is waste subject to land ban? ☒ Yes ☐ No

If yes, complete enclosed LDR form.

☒ Restricted waste requires treatment☐ Waste meets treatment standards☐ Waste subject to variance. Effective until _____ (date)2) Is waste a wastewater or non-wastewater ☒3) Is waste a debris? ☐ Yes ☒ No4) Is waste a soil? ☐ Yes ☒ No

5) Identify all waste subcategories and underlying hazardous constituents (UHC): _____

L. Shipping and Handling

1) Shipping mode: Bulk Liquid ☐ Bulk Solid ☐ Drums ☒ Other ☐2) Bulk Container Type: Vac Truck ☐ Tank Truck ☐ Dump Trailer ☐ Roll Off ☐ Other _____3) Drum Container Type: Fiberglass ☐ Poly ☒ Closed Head Steel ☐ Open Head Steel ☐ Other _____ Size 554) Frequency: One Time ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly ☐ Other _____5) Volume per shipment: Drums 7 Gallons _____ Ton/Yards _____6) DOT Hazardous: Yes ☒ No ☐ Marine Pollutant Yes ☐ No ☒ Poison Inhalation Hazard? Yes ☐ No ☒7) DOT Shipping Name: 40% Aqueous Ammonia Technical Constituents: _____8) DOT ID #: UNNA 272 RQ # _____ 9) Packaging Group: III 10) Hazard Class: 811) EPA/State Hazardous Waste Number(s): (D, K, F, U, P) D002

Generator Certification

A representative sample of the waste stream was obtained using an EPA approved method and corresponds to the information on this profile.

I hereby certify that the above and attached description is complete and accurate and that no deliberate or willful omissions of compositions or properties exists, and that all known or suspected hazards have been disclosed.

Generator's Authorized Signatory:

Keith Terence Title Materials MGR Date 5/9/95

877490204

AD38229

D. Waste Information

Common Name of Waste ETHYL ACETATE

Detailed Description of Process Generating Waste. (A detailed description must be provided, attach additional sheet if necessary)

Waste material left over due to fire.

Raw materials used in process:

E. Regulatory Information

	Yes	No	Comments
1) Is this a US EPA hazardous waste?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
2) Is this a US EPA listed hazardous waste, or derived from a listed source? (F, K, U, P)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
3) Is this a PCB waste regulated by TSCA? (Is PCB > 50 ppm or derived from source > 50 ppm)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
4) Is this a State Hazardous Waste?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
5) Is this waste generated from a CERCLA cleanup action?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
6) Is this a Dioxin bearing waste as per 40 CFR part 261.317	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
7) Is this waste infectious or medical waste?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
8) Is this waste radioactive?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
9) Is this waste explosive?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
10) Does this waste contain debris? (If yes, please list type & percentage in section F)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
11) Does this waste contain metallic fines/powders?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
12) Does this waste contain asbestos? (If yes, define type) Friable <input type="checkbox"/> , Non-Friable <input type="checkbox"/>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
13) Does this waste contain solvents or volatile organic compounds? (If yes, provide specific constituents)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
14) Is this waste subject to Benzene NESHAP regulation? (>10 ppm, benzene by weight)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

F. Chemical Composition

List all hazardous and non-hazardous constituents. (Trade names are not acceptable)

	Minimum %	Average %	Maximum %
1 <u>ETHYL ACETATE</u>		<u>100</u>	
2			
3			
4			
5			
6			
7			

Total (Must add up to 100%)

G. Physical Characteristics Of Waste

Color	Smell/Gravity	Instability	Corrosivity	Reactivity	Physical State 70° F	Solvents/Oils (Optional)
Color: <u>Colorless</u> NONE MILD STRONG	Smell: <u><0.8</u> 0.8-1.0 1.0-1.2 1.2 Gravity: <u>Low</u> Medium High	Instability: <u>Yes</u> <input type="checkbox"/> No Flash Point: <u><70° F</u> 70° F-100° F 101° F-180° F 181° F	Corrosivity (pH): <u>2.0</u> 2.01-5 5-9 9-12.6 12.6-14	Reactivity: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unstable <input type="checkbox"/> Water reactive <input type="checkbox"/> Oxidizer <input type="checkbox"/> Flammable <input type="checkbox"/> Explosive <input type="checkbox"/> Organic toxic fumes <input type="checkbox"/> Other	Physical State 70° F: <input type="checkbox"/> Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Semi-solid <input type="checkbox"/> Powder <input type="checkbox"/> Slurry <input type="checkbox"/> Multi-layer <input type="checkbox"/> Single layer % Free liquid: <u>100</u> % Total solids Pumpable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Solvents/Oils (Optional): Catalytic Converter BTU/gal % Hydrogens % Ash % Water % Solids

877490205

SENT BY:

05-12-95 03:38PM

AD38229

H. Heavy Metals

☒ Total ☐ TCLPBased on:
Generator knowledge ☒
Analysis ☐

(In parts per million)

Actual

D004 Arsenic ☒ < 5
 D005 Barium ☒ < 100
 D006 Cadmium ☒ < 1
 D007 Chromium ☒ < 5
 D008 Lead ☒ < 5
 D009 Mercury ☒ < 0.2
 D010 Selenium ☒ < 1
 D011 Silver ☒ < 5

Copper

Nickel

Zinc

Other (s): _____

J. Other Components (parts per million)

Cyanides, Total N/A Amenable Cyanide N/A
 Sulfides, Total + Reactive Sulfide +
 Pesticides + Herbicides +
 Ammonia + PCB's, Total 2%
 HOC's, Total + VOC's, Total 2%
 OSHA Carcinogens _____

Other Hazardous Ingredients _____

I. Toxicity Characteristic Organics

☒ Total ☐ TCLPBased on: Generator knowledge ☒
Analysis ☐

(In parts per million)

Actual

D012 Endrin ☒ < 0.02
 D013 Lindane ☒ < 0.4
 D014 Methoxychlor ☒ < 10.0
 D015 Toxaphene ☒ < 0.5
 D016 2, 4 D ☒ < 10.0
 D017 Silvex (2, 4 & TP) ☒ < 1.0
 D018 Benzene ☒ < 0.5
 D019 Carbon Tetrachloride ☒ < 0.5
 D020 Chlordane ☒ < 0.03
 D021 Chlorobenzene ☒ < 100
 D022 Chloroform ☒ < 0.0
 D023 O-Cresol ☒ < 200
 D024 M-Cresol ☒ < 200
 D025 P-Cresol ☒ < 200
 D026 Cresols ☒ < 200
 D027 1, 4 Dichlorobenzene ☒ < 7.5
 D028 1, 2 Dichloroethane ☒ < 0.5
 D029 1, 1 Dichloroethylene ☒ < 0.7
 D030 2, 4 Dinitrotoluene ☒ < 0.13
 D031 Heptachlor ☒ < 0.008
 D032 Hexachlorobenzene ☒ < 0.13
 D033 Hexachlorobutadiene ☒ < 0.5
 D034 Hexachloroethane ☒ < 0.0
 D035 Methyl Ethyl Ketone ☒ < 200
 D036 Nitrobenzene ☒ < 0.0
 D037 Pentachlorophenol ☒ < 100
 D038 Pyridine ☒ < 0.0
 D039 Tetrachloroethylene ☒ < 0.7
 D040 Trichloroethylene ☒ < 0.5
 D041 2, 4, 6 Trichlorophenol ☒ < 400
 D042 2, 4, 6 Trichlorophenol ☒ < 0.0
 D043 Vinyl Chloride ☒ < 0.2

K. Land Disposal Restrictions

- 1) Is waste subject to land ban? ☒ Yes ☐ No
 If yes, complete enclosed LDR form.
☒ Restricted waste requires treatment
☐ Waste meets treatment standards
☐ Waste subject to variance. Effective until _____ (date)

2) Is waste a wastewater or non-wastewater? ☒3) Is waste a debris? ☐ Yes ☒ No4) Is waste a soil? ☐ Yes ☒ No

5) Identify all waste subcategories and underlying hazardous constituents (UHC): _____

L. Shipping and Handling

- 1) Shipping mode: Bulk Liquid ☐ Bulk Solid ☐ Drums ☒ Other ☐
 2) Bulk Container Type: Vac Truck ☐ Tank Truck ☐ Dump Trailer ☐ Roll Off ☐ Other _____
 3) Drum Container Type: Fibre ☐ Poly ☒ Closed Head Steel ☐ Open Head Steel ☐ Other _____ Size 55 gal
 4) Frequency: One Time ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly ☐ Other _____
 5) Volume per shipment: Drums 1 Gallons _____ Ton/Yards _____
 6) DOT Hazardous: Yes ☒ No ☐ Marine Pollutant Yes ☐ No ☒ Poison Inhalation Hazard? Yes ☐ No ☒
 7) DOT Shipping Name: WASTE OIL Technical Constituents: _____
 8) DOT ID #: UN281 RQ # _____ 9) Packaging Group: III 10) Hazard Class: 3
 11) EPA/State Hazardous Waste Number(s) (D, K, F, U, P): U112, D001

Generator Certification

A representative sample of the waste stream was obtained using an EPA approved method and corresponds to the information on this profile.

I hereby certify that the above and attached description is complete and accurate and that no deliberate or willful omissions of compositions or properties exists, and that all known or suspected hazards have been disclosed.

Generator's Authorized Signatory:

Keth Umareo Title Materials Mgr Date 5/9/95

AD38220

D. Waste Information

Common Name of Waste METHANOL + HCL

Detailed Description of Process Generating Waste. (A detailed description must be provided, attach additional sheets if necessary)

Methanol and HCL were mixed together to make a cleaning solution. The
was never used and material is leftover for disposal

Raw materials used in process:

E. Regulatory Information

	Yes	No	Comments
1) Is this a US EPA hazardous waste?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2) Is this a US EPA listed hazardous waste, or derived from a listed source? (F, K, U, P)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3) Is this a PCB waste regulated by TSCA? (Is PCB > 50 ppm or derived from source > 50 ppm)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4) Is this a State Hazardous Waste?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5) Is this waste generated from a CERCLA cleanup action?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
6) Is this a Dioxin bearing waste as per 40 CFR part 261.317	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7) Is this waste infectious or medical waste?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8) Is this waste radioactive?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
9) Is this waste explosive?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
10) Does this waste contain debris? (If yes, please list type & percentage in section F)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
11) Does this waste contain metallic fines/powders?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
12) Does this waste contain asbestos? (If yes, define type) Friable <input type="checkbox"/> , Non-Friable <input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
13) Does this waste contain solvents or volatile organic compounds? (If yes, provide specific constituents)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
14) Is this waste subject to Benzene NESHAP regulation? (>10 ppm, benzene by weight)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

F. Chemical Composition

List all hazardous and non-hazardous constituents. (Trade names are not acceptable)

	Minimum %	Average %	Maximum %
1 <u>METHANOL</u>	<u>90</u>		<u>95</u>
2 <u>HCL</u>	<u>5</u>		<u>10</u>
3			
4			
5			
6			
7			

Total (Must add up to 100%)

G. Physical Characteristics Of Waste

Color	Specific Gravity	Volatility	Reactivity	Stability	Physical State 70° F	Colors Contain STU/pt
Color: <u>Colorless</u> NONE <input checked="" type="checkbox"/> MILD <input type="checkbox"/> STRONG	<input checked="" type="checkbox"/> <0.8 <input type="checkbox"/> 0.8-1.0 <input type="checkbox"/> 1.0-1.2 <input type="checkbox"/> >1.2 Viscosity: <input checked="" type="checkbox"/> Low <input type="checkbox"/> High <input type="checkbox"/> Medium	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no Flash Point: <input type="checkbox"/> <70° F <input type="checkbox"/> 70° F-100° F <input type="checkbox"/> 101° F-150° F <input type="checkbox"/> >150° F	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no Reactivity (H): <input type="checkbox"/> 1-2 <input type="checkbox"/> 3-4 <input type="checkbox"/> 5-6 <input type="checkbox"/> 7-8 <input type="checkbox"/> 9-10 <input type="checkbox"/> >10	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no Unstable Water reactive Corrosive Explosive Generates toxic fumes Other	Physical State 70° F: <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Semi-solid <input type="checkbox"/> Powder <input type="checkbox"/> Slurry <input type="checkbox"/> Melted <input type="checkbox"/> Single layer % Free Solids: <u>AP 0</u> % Total Solids: <u>AP 0</u> Pumpable? <input type="checkbox"/> yes <input type="checkbox"/> no	Colors Contain STU/pt: % Halogens % Ash % Water % Solids

877490207

SENT BY:

25-12-95 23:33PM

AD38228

H. Heavy Metals

☒ Total ☐ TCLPBased on:
Generator knowledge ☒
Analysis ☐

(in parts per million)

Actual

D004 Arsenic ☒ < 5
 D005 Barium ☒ < 100
 D006 Cadmium ☒ < 1
 D007 Chromium ☒ < 5
 D008 Lead ☒ < 5
 D009 Mercury ☒ < 0.2
 D010 Selenium ☒ < 1
 D011 Silver ☒ < 5
 Copper _____
 Nickel _____
 Zinc _____
 Other (s): _____

J. Other Components (parts per million)

Cyanides, Total u/b Amenable Cyanide u/b
 Sulfides, Total _____ Reactive Sulfide _____
 Pesticides _____ Herbicides _____
 Ammonia _____ PCB's, Total _____
 HOC's, Total _____ VOC's, Total 1-2%
 OSHA Carcinogens _____

Other Hazardous Ingredients _____

I. Toxicity Characteristic Organics

☒ Total ☐ TCLPBased on:
Generator knowledge ☒
Analysis ☐

(in parts per million)

Actual

D012 Endrin ☒ < 0.02
 D013 Lindane ☒ < 0.4
 D014 Methoxychlor ☒ < 10.0
 D015 Toxaphene ☒ < 0.5
 D016 2, 4 D ☒ < 10.0
 D017 Silvex (2, 4 5-TP) ☒ < 1.0
 D018 Benzene ☒ < 0.5
 D019 Carbon Tetrachloride ☒ < 0.5
 D020 Chlordane ☒ < 0.03
 D021 Chlorobenzene ☒ < 100
 D022 Chloroform ☒ < 0.0
 D023 O-Cresol ☒ < 200
 D024 M-Cresol ☒ < 200
 D025 P-Cresol ☒ < 200
 D026 Cresols ☒ < 200
 D027 1, 4 Dichlorobenzene ☒ < 7.5
 D028 1, 2 Dichloroethane ☒ < 0.5
 D029 1, 1 Dichloroethylene ☒ < 0.7
 D030 2, 4 Dinitrotoluene ☒ < 0.13
 D031 Heptachlor ☒ < 0.008
 D032 Hexachlorobenzene ☒ < 0.13
 D033 Hexachlorobutadiene ☒ < 0.5
 D034 Hexachlorocyclopentadiene ☒ < 0.0
 D035 Methyl Ethyl Ketone ☒ < 200
 D036 Nitrobenzene ☒ < 0.0
 D037 Pentachlorophenol ☒ < 100
 D038 Pyridine ☒ < 0.0
 D039 Tetrachloroethylene ☒ < 0.7
 D040 Trichloroethylene ☒ < 0.5
 D041 2, 4, 5 Trichlorophenol ☒ < 400
 D042 2, 4, 6 Trichlorophenol ☒ < 0.0
 D043 Vinyl Chloride ☒ < 0.2

K. Land Disposal Restrictions

- 1) Is waste subject to land ban? ☒ Yes ☐ No
 If yes, complete enclosed LDR form.
☒ Restricted waste requires treatment
☐ Waste meets treatment standards
☐ Waste subject to variance. Effective until _____ (date)

- 2) Is waste a wastewater or non-wastewater? ☐ ☒
 3) Is waste a debris? ☐ Yes ☒ No
 4) Is waste a soil? ☐ Yes ☒ No
 5) Identify all waste subcategories and underlying hazardous constituents (UHC):

L. Shipping and Handling

- 1) Shipping mode: Bulk Liquid ☐ Bulk Solid ☐ Drums ☒ Other ☐
 2) Bulk Container Type: Vac Truck ☐ Tank Truck ☐ Dump Trailer ☐ Roll Off ☐ Other _____
 3) Drum Container Type: Fibre ☐ Poly ☒ Closed Head Steel ☐ Open Head Steel ☐ Other _____ Size 55 gallon
 4) Frequency: One Time ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly ☐ Other _____
 5) Volume per shipment: Drums 4 Gallons _____ Ton/Yards _____
 6) DOT Hazardous: Yes ☒ No ☐ Marine Pollutant: Yes ☐ No ☒ Poison Inhalation Hazard? Yes ☐ No ☒
 7) DOT Shipping Name: Acrylonitrile Technical Constituents: _____
 8) DOT ID #: UN1924 9) Packaging Group: III 10) Hazard Class: 3.2
 11) EPA/State Hazardous Waste Numbers: (D, K, F, U, P) D001, D002

Generator Certification

A representative sample of the waste stream was obtained using an EPA approved method and corresponds to the information on this profile.

I hereby certify that the above and attached description is complete and accurate and that no deliberate or willful omissions of compositions or properties exists, and that all known or suspected hazards have been disclosed.

Generator's Authorized Signatory:

Ruth Anasco Title Materials Mgr Date 5/9/95

AD 38227

D. Waste InformationCommon Name of Waste ALKANOL WASTE

Detailed Description of Process Generating Waste. (A detailed description must be provided, attach additional sheet if necessary)

Raw material unstable due to fire

Raw materials used in process:

E. Regulatory Information

	Yes	No	Comments
1) Is this a US EPA hazardous waste?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
2) Is this a US EPA listed hazardous waste, or derived from a listed source? (F, K, U, P)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
3) Is this a PCB waste regulated by TSCA? (Is PCB > 50 ppm or derived from source > 50 ppm)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
4) Is this a State Hazardous Waste?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
5) Is this waste generated from a CERCLA cleanup action?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
6) Is this a Dioxin bearing waste as per 40 CFR part 261.31?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
7) Is this waste infectious or medical waste?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
8) Is this waste radioactive?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
9) Is this waste explosive?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
10) Does this waste contain debris? (If yes, please list type & percentage in section F)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
11) Does this waste contain metallic fines/powders?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
12) Does this waste contain asbestos? (If yes, define type) Friable <input type="checkbox"/> , Non-Friable <input type="checkbox"/>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
13) Does this waste contain solvents or volatile organic compounds? (If yes, provide specific constituents)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
14) Is this waste subject to Benzene NESHAP regulation? (> 10 ppm, benzene by weight)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

F. Chemical Composition

List all hazardous and non-hazardous constituents. (Trade names are not acceptable)

	Minimum %	Average %	Maximum %
1 <u>WATER</u>	<u>35</u>		<u>45</u>
2 <u>MINERAL OIL</u>	<u>5</u>		<u>10</u>
3 <u>ISOPARANAL</u>	<u>45</u>		<u>60</u>
4 <u>SODIUM CHLORIDE</u>	<u>0</u>		<u>1</u>
5 <u>NA-H</u>	<u>0</u>		<u>1</u>
6			
7			

Total (Must add up to 100%)

G. Physical Characteristics Of Waste

Color	Specific Gravity	Ignitability	Corrosivity	Reactivity	Physical State 70° F	Solvents/Oils (Optional)
<u>CLEAR</u>	<input checked="" type="checkbox"/> < 0.8 <input type="checkbox"/> 0.8-1.0 <input type="checkbox"/> 1.0-1.2 <input type="checkbox"/> > 1.2	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Flash Point <input type="checkbox"/> 70° F <input type="checkbox"/> 70° F-100° F <input type="checkbox"/> 101° F-130° F <input type="checkbox"/> ≥ 140° F	<input type="checkbox"/> ≤ 2.0 <input type="checkbox"/> 2.01-5 <input type="checkbox"/> 5-9 <input type="checkbox"/> > 12.49 <input type="checkbox"/> ≥ 18.90	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unstable <input type="checkbox"/> Water reactive <input type="checkbox"/> Oxidize <input type="checkbox"/> Reduce <input type="checkbox"/> Explosive <input type="checkbox"/> Generates toxic fumes <input type="checkbox"/> Other	<input type="checkbox"/> Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Semi-solid <input type="checkbox"/> Powder <input type="checkbox"/> Sludge <input type="checkbox"/> Single layer <input type="checkbox"/> Multi-layer	% Halogens % Ash % Water % Solids
Other: <u>NONE MILD STRONG</u>	Viscosity: <input checked="" type="checkbox"/> Low <input type="checkbox"/> High	Actual pH: <u>6.0</u>		% Free liquids <u>100</u> % Total solids Pumpable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

877490209

AD 38227

H. Heavy Metals

☒ Total ☐ TCLPBased on:
Generator knowledge ☒
Analysis ☐

(In parts per million)

Actual

D004 Arsenic ☒ < 5
 D005 Barium ☒ < 100
 D006 Cadmium ☒ < 1
 D007 Chromium ☒ < 5
 D008 Lead ☒ < 5
 D009 Mercury ☒ < 0.2
 D010 Selenium ☒ < 1
 D011 Silver ☒ < 5
 Copper _____
 Nickel _____
 Zinc _____
 Other (s): _____

J. Other Components

(parts per million)

Cyanides, Total N/A Amenable Cyanide N/A
 Sulfides, Total _____ Reactive Sulfide _____
 Pesticides _____ Herbicides _____
 Ammonia _____ PCB's, Total _____
 HOC's, Total _____ VOC's, Total 1-2%
 OSHA Carcinogens _____
 Other Hazardous Ingredients _____

I. Toxicity Characteristic Organics

☒ Total ☐ TCLPBased on: Generator knowledge ☒
Analysis ☐

(In parts per million)

Actual

D012 Endrin ☒ < 0.02
 D013 Lindane ☒ < 0.4
 D014 Methoxychlor ☒ < 10.0
 D016 Toxaphene ☒ < 0.5
 D018 2, 4 D ☒ < 10.0
 D017 Silvex (2, 4 5-TP) ☒ < 1.0
 D018 Benzene ☒ < 0.5
 D019 Carbon Tetrachloride ☒ < 0.5
 D020 Chlordane ☒ < 0.03
 D021 Chlorobenzene ☒ < 100
 D022 Chloroform ☒ < 5.0
 D023 O-Cresol ☒ < 200
 D024 M-Cresol ☒ < 200
 D025 P-Cresol ☒ < 200
 D026 Creosols ☒ < 200
 D027 1, 4 Dichlorobenzene ☒ < 7.5
 D028 1, 2 Dichloroethane ☒ < 0.5
 D029 1, 1 Dichloroethylene ☒ < 0.7
 D030 2, 4 Dinitrotoluene ☒ < 0.13
 D031 Heptachlor ☒ < 0.005
 D032 Hexachlorobenzene ☒ < 0.13
 D033 Hexachlorobutadiene ☒ < 0.5
 D034 Hexachloroethane ☒ < 3.0
 D035 Methyl Ethyl Ketone ☒ < 200
 D036 Nitrobenzene ☒ < 2.0
 D037 Pentachlorophenol ☒ < 100
 D038 Pyridine ☒ < 5.0
 D039 Tetrachloroethylene ☒ < 0.7
 D040 Trichloroethylene ☒ < 0.5
 D041 2, 4, 6 Trichlorophenol ☒ < 400
 D042 2, 4, 6 Trichlorophenol ☒ < 2.0
 D043 Vinyl Chloride ☒ < 0.2

K. Land Disposal Restrictions

1) Is waste subject to land ban? ☒ Yes ☐ No

If yes, complete enclosed LDR form.

☒ Restricted waste requires treatment☐ Waste meets treatment standards☐ Waste subject to variance. Effective until _____ (date)2) Is waste a wastewater or non-wastewater? ☐ ☒3) Is waste a debris? ☐ Yes ☒ No4) Is waste a soil? ☐ Yes ☒ No5) Identify all waste subcategories and underlying hazardous constituents (UHC):

L. Shipping and Handling

1) Shipping mode: Bulk Liquid ☐ Bulk Solid ☐ Drums ☒ Other ☐2) Bulk Container Type: Vao Truck ☐ Tank Truck ☐ Dump Trailer ☐ Roll Off ☐ Other _____3) Drum Container Type: Fiberglass ☐ Poly ☒ Closed Head Steel ☐ Open Head Steel ☐ Other _____ Size 55 gallon4) Frequency: One Time ☒ Weekly ☐ Monthly ☐ Quarterly ☐ Yearly ☐ Other _____5) Volume per shipment: Drums 2 Gallons _____ Ton/Yards _____6) DOT Hazardous: Yes ☒ No ☐ Marine Pollutant Yes ☐ No ☒ Poison Inhalation Hazard? Yes ☐ No ☒7) DOT Shipping Name: Flammable Liquid8) DOT ID #: UN 1993 RQ # _____ 9) Packaging Group: III 10) Hazard Class: 311) EPA/State Hazardous Waste Numbers: (D, K, F, U, P): 601

Generator Certification

A representative sample of the waste stream was obtained using an EPA approved method and corresponds to the information on this profile.

I hereby certify that the above and attached description is complete and accurate and that no deliberate or willful omissions of compositions or properties exists, and that all known or suspected hazards have been disclosed.

Generator's Authorized Signatory:

Kuthanar Title Materials Mgr Date 5/4/95

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 987-1315

199 MAIN ST

LODI NJ 07644

EPA ID NO.: NJD 001 315282

MANIFEST NO.: PAE 1355734 -A

DRUM NO.: 1 CONTAINER: 17H

DISPOSAL CODE: ECC LAB CODE: LP518

D.O.T. PROPER

SHIPPING NAME: PG WASTE FLAMMABLE LIQUIDS

HAZARD CLASS: 3 AG II

EPA WASTE D001 U002 U056

TYPE CODE: U134 U159 (UN)NA: 1993

PAGE 1 OF 1 DATE 5-12-9

TOTAL WEIGHT:

877490211

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2678
Fax (215) 997-1315

DISPOSAL CODE: ECL LAB CODE: 6P5184

SHIPPING NAME: Waste Flammable Liquids

E.P.A. WASTE *Feb 3, 1963, U019, U220, U112, U056*
12339

E.P.A. WASTE
TYPE CODE: Donl, U037. ^{U239} UN/NA: 1993 PGII

PAGE 1 OF 1 DATE 5/12/95

EXPORTER: Mapa Technologies
199 Main Street
Lead, NJ 07644
AID NO.: NJDO01315282
INIFEST NO.: PAE1355734-B
UM NO.: 2 CONTAINER: 17H

A ID NO.: NJ1001315282

MANIFEST NO.: AA-1355734-13

UM NO.: 2 CONTAINER: 174

[illegible]

**REPUBLIC ENVIRONMENTAL
SYSTEMS OF PA., INC.**

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 987-1315

GENERATOR: NAPP TECHNOLOGIES INC
199 MAIN ST
LODI NJ 07644

EPA ID NO.: NJD 001315282

MANIFEST NO.: PAC 1355734-3-4

DRUM NO.: 3 CONTAINER: 17H

DISPOSAL CODE: WC-V LAB CODE: LP515

D.O.T. PROPER
SHIPPING NAME: RD WASTE CORROSIVE SOLIDS

HAZARD CLASS: 8 PG II

E.P.A. WASTE DOCS, DO11
TYPE CODE: DO17 UNNA: 1759

PAGE 1 OF 4 DATE 5-12-95

QUANTITY	DESCRIPTION OF MATERIAL
1x500g	BORIC ACID GRANULAR
1x500g	DISODIUM ETHYLENEDIAMINE TETRA-ACETATE
2x500g	CUPRIC CHLORIDE DIHYDRATE CRYSTAL
1x1#	CUPRIC SULFATE ANHYDROUS
1x500g	BARIUM CHLORIDE POWDER DOOS
1x1#	CERIC SULFATE ANHYDROUS
1x100g	TRANS-CINNAMIC ACID
1x1#	CITRIC ACID ANHYDROUS
1x100g	DISODIUM ETHYLENEDIAMINE TETRAACETATE
1x100g	CERIC SULFATE
2x4 oz.	COBALT ACETATE
2x1#	CALCIUM SULFATE
1x1#	BISMUTH POWDER
1x100g	3-CHLOROACETONILIDE
1x2#	STEARIC ACID N.F. POWDER
1x4oz.	COBALT CHLORIDE
1x1#	AMMONIUM SULFATE
1x500g	CALCIUM CHLORIDE DIHYDRATE
1x500g	BARIUM CHLORIDE DIHYDRATE
1x500g	AMMONIUM PHOSPHATE
1x1#	AMMONIUM ACETATE
1x30g	BENZOIC ACID
1x1/4#	ACID STARCH INDICATOR POWDER
1x1#	SULFOSALICYLIC ACID
1x1#	POTASSIUM PHOSPHATE
2x500g	POTASSIUM BISULFATE
1x1#	POTASSIUM CHLORIDE
1x1#	POTASSIUM ACETATE
1x100g	PALMITIC ACID
1x1/4#	SULFONIC ACID
TOTAL WEIGHT: <u>(200#)</u>	

877490213

**REPUBLIC ENVIRONMENTAL
SYSTEMS OF PA., INC.**

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2876
Fax (215) 997-1315

877490214

RATOR: NAPP TECHNOLOGIES INC.

199 MAIN ST

LODI NJ 07644

ID NO.: NJD001315282

IFEST NO.: PAE 1355734-3-4

IM NO.: 3 CONTAINER: 17H

DISPOSAL CODE: Wc-v LAB CODE: LP5184

D.O.T. PROPER
SHIPPING NAME: RU WASTE CORROSIVE SOLIDS N.O.S

HAZARD CLASS: 8 P.G. II

E.P.A. WASTE DOGS, 2011

TYPE CODE: DEC7 UNNA: 1759

PAGE 2 OF 4 DATE 5-12-95

QUANTITY	DESCRIPTION OF MATERIAL
1 x 1"	TAYLOR (CONTAINS POTASSIUM CHLORIDE > 50% STANNOUS CHLORIDE < 10%)
1 x 500g	ERSTMAN KODAK P-PHENOLSULFONIC ACID
1 x 1"	FASTMAN KODAK POTASSIUM BROMIDE
1 x 1"	SODIUM SULFATE
1 x 2.2"	POTASSIUM PHOSPHATE
2 x 500g	POTASSIUM BIPHENYLATE
1 x 1"	POTASSIUM BROMIDE
1 x 500g	KODAK POTASSIUM IODIDE
1 x 8 oz	ZINC SULFATE
1 x 8 oz	SODIUM FLUORIDE
1 x 4 oz	STANNOUS CHLORIDE
1 x 5#	AMMONIUM CHLORIDE
1 x 500g	FERRIC CHLORIDE
1 x 500g	MAGNESIUM CHLORIDE
1 x 500g	SODIUM ACETATE
1 x 500g	STANNOUS CHLORIDE
1 x 100g	TETRAETHYLAMMONIUM IODIDE
1 x 1"	SODIUM BROMIDE
1 x 500g	SODIUM CITRATE DIHYDRATE CRYSTAL
1 x 1"	TAYLOR (CONTAINS SULFAMIC ACID < 90%)
1 x 1"	BARIUM SULFATE
1 x 500g	CALCIUM CHLORIDE
1 x 5#	SODIUM PHOSPHATE DIHYDROGEN ANHYDROUS
1 x 5#	AMMONIUM CHLORIDE
1 x 5#	SODIUM SULFATE ANHYDROUS
1 x 1 KG	SULFAMIC ACID
1 x 4 oz	TANNIC ACID
1 x 1"	STANNOUS CHLORIDE POWDER
1 x 1"	ACACIA POWDER
1 x 1/2"	BENZYL PARABEN
	TOTAL WEIGHT: <u>200#</u>

**REPUBLIC ENVIRONMENTAL
SYSTEMS OF PA., INC.**

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2678
Fax (215) 997-1315

GENERATOR: NAPP TECHNOLOGIES INC.
199 MAIN ST.
LODI NJ 07644

EPA ID NO.: NJD 00135282

MANIFEST NO.: PAE 1355734-3-1

DRUM NO.: 3 CONTAINER: 17H

DISPOSAL CODE: WCV LAB CODE: LP5184

D.O.T. PROPER
SHIPPING NAME: RG WASTE CAPOSONE SOLIDS A

HAZARD CLASS: 8 P.C. II

E.P.A. WASTE
TYPE CODE: D0051 D011
D007 (UN)NA: 1759

PAGE 3 OF 4 DATE 5-12-95

QUANTITY	DESCRIPTION OF MATERIAL
1 x 1 ²	DISODIUM SALT
1 x 1 ⁴	AMMONIUM CITRATE
1 x 1 ⁴	MAGNESIUM SULFATE
1 x 1/2 ²	PROPYL PARABEN
2 x 1 ²	p-HYDROXYBENZOIC ACID
1 x 1 ²	ETHYLENE DINITRO - TETRAACETIC ACID
4 x 1 ²	AMBERLITE (EXCHANGE RESIN)
1 x 1 ⁴	SODIUM SALICYLATE
1 x 1 ²	AMMONIUM BIFLUORIDE
1 x 1 ⁴	AMINO ACETIC ACID
1 x 1 ⁴	GALLIC ACID
1 x 1 ²	MAGNESIUM CHLORIDE
1 x 1 ²	ALUMINUM CHLORIDE
1 x 1 ²	SODIUM BORATE
1 x 1 ²	SULFOSALICYLIC ACID
1 x 1 ²	POTASSIUM PHOSPHATE
2 x 1 ²	POTASSIUM IODIDE
1 x 1 ⁴	POTASSIUM BROMIDE
1 x 1 ⁴	POTASSIUM SULFATE
1 x 1 ⁴	SODIUM CHLORIDE
1 x 1 ⁴	SODIUM PHOSPHATE
1 x 1 ²	HYDROXYLAMINE HYDROCHLORIDE
1 x 1 ²	FEROUS AMMONIUM SULFATE
1 x 100g	NITRILOTRIACETIC ACID
1 x 100g	ASCORBIC ACID
1 x 1 ²	ZINC OXIDE
1 x 100g	PAMOLIC ACID
2 x 25g	5-HYDROXYISOPHTHALIC ACID
1 x 25g	PYRENE
1 x 25g	ETHYL PARABEN
TOTAL WEIGHT: <u>(200#)</u>	
877490215	

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

DISPOSAL CODE: WCV LAB CODE: LC 5184

SHIPPING NAME: RD WASTE CORROSIVE SOLID NO.

HAZARD CLASS: PG II

E.P.A. WASTE
TYPE CODE: Dec 5, 2011
Dec 7 UNATA: 1759

PAGE 4 OF 4 DATE 5-17-95

ATOR: NAPP TECHNOLOGIES INC
199 MAIN ST

199 MAIN ST

L001 NJ 07644

ID NO.: NJD 001 315 252

IFEST NO.: PAC 1355734 - 3.5

M NO.: 3 CONTAINER: 17H

QUANTITY	DESCRIPTION OF MATERIAL
BAG	MISC. ORGANIC DYES (CONTAINS METHYL VIOLET, CRYSTAL VIOLET, METHYLENE BLUE)
x 25g	RUBIN ECROCRUMS BLACK NAFTHOL BLUE
PBAG	SAME AS ABOVE (ISY 275g)
x 25 gm	BETUL PARIBEN
x 25 g.	METHYL PARIBEN
x 25g	LITHIUM CHLORIDE
x 1#	METHYLENE BLUE
x 25g	BENTONIC ACID
x 25g	8-HYDROXY QUINOLINE BASE
x 25g	SACICTLIC ACID
x 100g	SODIUM DIETHYLENEDITHIOCARBAMATE
x 25g	1-OCTANESULFONE ACID
x 25g	CARBOHYDRIC ACID
x 25g	11-HYDROXY ISOPHTHALIC ACID
x 10g	PAIMITIC ACID
x 25g	PIPERATINE CITRATE
x 25g	METHYL 4-METHOXY BENZOATE
x 25g.	POTASSIUM BROMIDE
x 1 lb	PINITROTUNESTIC ACID
x 25g	HYPOTHYRENTAMIDE
x 25g	ZENDIP-P-INDOLE BENZOLATE
x 10g.	2-CHLORO 2'-ACETOXY NITROBENZENE
x 1#	SODIUM CHLORIDE
x 1#	CARBONIC OXIDE
x 1#	Silver Sulfate
	TOTAL WEIGHT:

**REPUBLIC ENVIRONMENTAL
SYSTEMS OF PA., INC.**

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

GE ATOR: Napp technologies
199 Main Street
Lodi, NJ 07644
EPA ID NO.: NTD 001315282
MANIFEST NO.: PAE 1355734-3-4
DRUM NO.: 4 CONTAINER: 17-H

DISPOSAL CODE: WCV LAB CODE: LP518

D.O.T. PROPER
SHIPPING NAME: Waste Corrosive Solids

HAZARD CLASS: 8

E.P.A. WASTE 12011, D007
TYPE CODE: 2005 UNNA: 1759 PG2

PAGE 1 OF 2 DATE 5/12/95

QUANTITY	DESCRIPTION OF MATERIAL
1#	Dowdard Metal 5000 Cu 1# Ferrous sulfate
1/4#	Aluminum / Zinc Alloy 1# Ferric Ammonium S
4oz	Chloro-aniline 5# Ammonium Formate
1/4#	Diphenylamine 5# Silver Gel II
4oz	Chloro-aniline 1# Ammonium Oxalate
1/4#	Diphenylamine benzaldehyde 5# Catechol
1/4#	Diphenylamine benzaldehyde 1# Lauric Acid
4oz	Dithione 1# Ferrous ammonium
1#	Boron Hydroxide G. hydroxide 1# Lactose
1#	Calcium Hydroxide 1# Alcatraz III
1#	4 S. Dichlorophenylamine 1# Methoxy propyl Gluc
1, 1#	1,8-dimethoxy anthraquinone 1# Trimethoprim M. 1000
2 x 1#	Ammonium chlorosulfate 1# Sodium Thiosulfate
1#	Sodium Carbonate 1# Sodium Tartrate
5 x 1#	Sodium Bicarbonate 1# Citric acid / Sodium
1/4#	Sodium Nitroferrocyanide 1# Benzophenone II
1#	Zinc Amalgam 1/2# Potassium iodide
10#	Selenium granular 1/2# Charcoal wet
1#	Zinc granular 1/2# yellow dye III
5#	Sodium Hydroxide 1/2# Sodium phosphate
1/4#	Naphthol 1/2# Hydroxyquinone Benz
1#	Ammonium Carbonate 1/4# Malachite Green ox
8oz	Potassium Hydroxide III 1/4# Nitron
1#	Potassium thiocyanate 1# Crystal powder
1#	" Ferrocyanide II 1/4# Trimethoprim III
1#	" Carbonate 1/4# Ammonium Sulfamate
1/4#	o-nitro aniline 1/2# Tributyl Ammonium Sulfate
1/4#	Quinone 1/4# Sodium carbonate
30g	Methyl orange 1/4# Dithione
25g	Kodak-1-Reagent
5#	Charcoal
1/4#	Naphtholbenzene
	TOTAL WEIGHT: 200#
	1# starch
	1# Chromium oxide yellow

877490217

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

ID NO.: NJD 001315282
IFEST NO.: PAE1355734.3-4
M NO.: 4 CONTAINER: 17H

D.O.T. PROPER
SHIPPING NAME: Waste Corrosive Solids n.o.s.

E.P.A. WASTE DO11, 2007
TYPE CODE: DO05, ~~DO04~~ UN/NA: 1759 PG II

PAGE 2 OF 2 DATE 5/12/95

QUANTITY	DESCRIPTION OF MATERIAL
1 lb	Table salt
1 lb	Lauric Acid
1 lb	Sand "
1 lb	Sodium phosphate
1 lb	Silica gel III
1/2 lb	Carboxy Methyl Cellulose Gum
1/2 lb	Disodium Peroxide
1/4 lb	Colloidal Graphite in water
25g	Clayton yellow
1 lb	Carbon black
TOTAL WEIGHT: 200 lb	
877490218	

877490218

REPUBLIC ENVIRONMENTAL
SYSTEMS OF PA., INC.

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

DISPOSAL CODE: 1A.C.N(N) LAB CODE: LPSI

D.O.T. PROPER RD

SHIPPING NAME: Waste Oxidizing Substances
Solid

HAZARD CLASS: S.1

E.P.A. WASTE 2007, D008

TYPE CODE: D001, D011 (UN) NA: 1479 PC

GRATOR: Napp Technologies
199 Main St.
Cod., NJ 07644

EPA ID NO.: NJD 001315282

MANIFEST NO.: PAE 1355724-2-3

DRUM NO.: 5 CONTAINER: 300 f.

PAGE 1 OF 1 DATE 5/12/94

QUANTITY	DESCRIPTION OF MATERIAL
1#	Sodium Nitrate
2x 1#	Sodium Nitrate 11#
1#	Potassium Nitrate
1#	Sodium Dichromate 2007
5#	Sodium Nitrate
1/4#	Cobalt Nitrate
1#	Copper Nitrate
1#	Cerium Ammonium Nitrate
1#	Calcium Hypochlorite
1x 1#	Ammonium persulfate 11
	Bromine
2x 1/4#	Silver Nitrate " 2011
4x 1#	" " 1111
11x 1#	" " 11111
10#	Ammonium Nitrate
1#	" Persulfate
1#	Potassium dichromate
2oz	Lanthanum Nitrate
1/4#	Nickel Nitrate
1/4#	Potassium Permanganate
2x 1/4#	Potassium dichromate 11
1/4#	Sodium Chromate
1#	Potassium Chromate
2x 1#	Potassium Bromate 11
1#	Potassium Meta periodate
1/4#	Periodic acid
1/4#	Tetraethyl ammonium perchlorate
1/4#	Silver nitrate
2x 1/4#	Lead Nitrate 11 D008
1/4#	Bismuth Subnitrate
1/4#	Potassium Dichromate

TOTAL WEIGHT: 50#

877490219

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

199 Mar. 21.

Lab: NJ 17644

ID NO.: NJD 001315282

MANIFEST NO.: PAE 1355734-2-7

JM NO.: 9 CONTAINER: 30df.

D.O.T. PROPER

D.O.T. PROPER
SHIPPING NAME: Waste Sulfuric Acid, wet with
not less than 10% water

HAZARD CLASS:

E.P.A. WASTE

TYPE CODE: ~~SECRET~~ UN/NA: 1344 PGI

PAGE 1 OF 1 DATE 5/12/95

[illegible]

TOTAL WEIGHT: 40 #

877490220

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

199 Main St

Lodi NJ 07649

EPA ID NO.: NJD 001 315 282

MANIFEST NO.: PAE 1355734-2-4

DRUM NO.: 10 CONTAINER: 5 GAL DF

DISPOSAL CODE: 3DT LAB CODE: 2P5184

D.O.T. PROPER SHIPPING NAME: WASTE PERACETIC ACID

HAZARD CLASS: S.I PG I

E.P.A. WASTE
TYPE CODE: 0001 0002 UN/NA: 1873

PAGE 1 OF 1 DATE 5-12-95

[illegible]

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

ID NO.: NJD-001315282
 IFEST NO.: PAE 1355734-2-9
 IM NO.: 11 CONTAINER: 5991

PAGE 1 OF 1 DATE 5/12/95

QUANTITY	DESCRIPTION OF MATERIAL
1#	O-Nitroaniline - 80% wet
1/4#	2,4-Dinitrophenol 80% wet
25g	P-Nitrotoluene 80% wet
25g	4-Nitrobenzene Sulfonamide 80% wet
25g	3,5-Dinitrosalicylic Acid "
25g	5-Nitro Furfuraldehyde 80% wet
TOTAL WEIGHT: 3#	

877490222

877490222

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

D.O.T. PROPER

HAZARD CLASS:

E.P.A. WASTE 0020: 0211

TYPE CODE: 0044, 0228 0210, 0228 UN/NA: 3089 PS

PAGE 1 OF 1 DATE 5/12/95

199 Me. 51.

1021, NJ 07644

EPA ID NO.: NJD 001315282

MANIFEST NO.: PAE 1355734-3-6

DRUM NO.: 8 CONTAINER: 30 ~~DF~~ DF

TOTAL WEIGHT: 50#

877490223

REPUBLIC ENVIRONMENTAL
SYSTEMS OF PA., INC.

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2876
Fax (215) 897-1315

877490224

ATOR: NAPP TECHNOLOGIES INC

199 MAIN ST

1001 NJ 07644

ID NO.: NJD 001315282

IFEST NO.: PAE 1355734-37

IM NO.: 12 CONTAINER: 30 GAL DR

DISPOSAL CODE: INCIN(N) LAB CODE: LP5184

D.O.T. PROPER RQ

SHIPPING NAME: WASTE POISONOUS SOLIDS N.O.S

HAZARD CLASS: 6.1 PG. II

E.P.A. WASTE DATE D011, U218

TYPE CODE: U188 U219 UN/NA: 2811

PAGE 1 OF 1 DATE 5-12-95

QUANTITY	DESCRIPTION OF MATERIAL
x 1#	BETANAPHTHOL 1x1# LEAD ACETATE D008 U114
x 25g	O-AMINOPHENOL 1x100g SULPHADIAZINE
x 25g	FLUORESCCEIN 1x100g NIFEDIPINE
x 10g	FLUORESCCEIN 1x100g FLUORESCCEIN
x 25g	1,3-NAPHTHALENEDIOL 1x100g SILVER SULFADIAZINE
x 5g	POTASSIUM HEXAMETAPHOSPHATE 1x25g SODIUM FERROCYANIDE
x 10g	SILVER DIETHYL DITHIOCARBAMATE D011 2x25g REINECK'S SALT - 1-HYDRATE
2x 1#	PHENOL U188 1x100g DISODIUM INOSINATE
x 1#	p-AMINOPHENOL 1x25g 3,4,5-TRIMETHOXYANILINE
x 1#	MOLECULAR SIEVES 1x25g ADIPIC ACID NEUTRAL
x 1#	SULPHAMERAZINE 1x25g 1-(4-CHLOROBENZYLIDENE) PIPERAZINE
1x 1#	METHYL BENZILATE 1x25g 11-DIMETHYLAMINO-2-CYANALDEHYDE
1x 1/2#	TRIMETHOPRIM USP MICRONIZED 1x5g CHLORHEXIDINE
1x 1/2#	THIOACETANIDE U218 1x5g SULFANILAMIDE
1x 1/2#	SULFANILAMIDE 7x10g NINHYDRIN MONOHYDRATE
1x 100g	1-NITROSO-7-NAPHTHOL 1x5g ACENAPHTHENE
1x 100g	PHENYL SALICYLATE 2x5# } <5g BOTTLES OF SILVER
1x 100g	SODIUM OXALATE BAGS } SULFADIAZINE, SULFANILAMIDE,
1x 100g	POTASSIUM XANTHOGENATE } FLUORESCCEIN, CLOCCINOL,
1x 1#	THIOUREA U219 } TRIMETHOPRIM, 1-DOLANE,
2x 100g	N-1-NAPHTHYLETHYLENE DIAMINE DINITROPHENOLIDE } SALICYLIC ACID, PHTHALIC
1x 200g	4-ISOPROPYL PHENOL } AND STANDARDS
1x 25g	SYRINGALDEHYDE
2x 5g	ADIPIC ACID
x 100g	SILVER SULFADIAZINE
1x 25g	4-AMINOANTIPYRINE
x 100g	SODIUM NITROPRUSSIDE
x 100g	2,6-DICHLOROHYDROXYQUIN
x 100g	TRIBROMOPHENOL
x 100g	SODIUM LACTATE
x 100g	p-TELUIDINE

TOTAL WEIGHT:

150#

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

EPA ID NO.: NJD 001315252
MANIFEST NO.: PAE 1355734-2-8
DRUM NO.: 13 CONTAINER: 509.1

PAGE 1 OF 1 DATE 5-17-95

877490225

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

A ID NO.: NJD 0013152 E2
 NIFEST NO.: PAE 1355734 - C
 UM NO.: 14 CONTAINER: 5 D. 1

PAGE 1 OF 1 DATE 5/12/95

TOTAL WEIGHT: 1#

877490226

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

D.O.T. PROPER
SHIPPING NAME: WASTE FLAMMABLE SOLIDS

EPA ID NO.: NJD001315282
MANIFEST NO.: PAF 1355734-2-6
DRUM NO.: 15 CONTAINER: 529.1

E.P.A. WASTE
TYPE CODE: DO10 UN/NA: 1325

PAGE 1 OF 1 DATE 5-7-95

TOTAL WEIGHT: (6 1/2)

877490227

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2678
Fax (215) 997-1315

ID NO.: 1UJD 001315282
 IFEST NO.: PAE 1355734-3-2
 IM NO.: 16 CONTAINER: 30df.

D.O.T. PROPER
SHIPPING NAME: Waste Corrosive Liquids
H-2 S.

E.P.A. WASTE
TYPE CODE: 0002 UN/NA: 1760 PG II

PAGE 1 OF 1 DATE 5/12/95

TOTAL WEIGHT: 71#

877490228

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

877490229

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

DISPOSAL CODE: WCV LAB CODE: LP51

SHIPPING NAME: Non Hazardous Waste

HAZARD CLASS: D.O.T. Non Regu:

TYPE CODE: 10/12 UN/NA: 1/1

EPA ID NO.: NTD 001315282

MANIFEST NO.: PAE 1355734-3-8

DRUM NO.: 19 CONTAINER: ~~50~~ 30 d f.

PAGE 1 OF 1 DATE 5/12/0

[illegible]

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 897-1315

199 Main St.

Lodi, NJ 07644

• NJD 001315282

FEST NO.: PAE 1355734-3-1

4 NO.: 20 CONTAINER: 25, 1

D.O.T. PROPER

SHIPPING NAME: HW Waste Mercury Compounds

HAZARD CLASS: 6.1

E.P.A. WASTE

TYPE CODE: 0009 UN/NA: 2025 PG 11

PAGE 1 OF 1 DATE 5/12/95

[illegible]

**Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315**

199 Main St.
Lodi, NJ 07644

UTD 001315282

PA=1354734-3-5

21 CONTAINER: 5 DA. 1

D.O.T. PROPER

HAZARD CLASS:

E.P.A. WASTE

TYPE CODE: 2003 (UN/NA: 1807 PC)

PAGE 1 OF 1 DATE 5/12/94

TOTAL WEIGHT: 3th

877490233

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

DISPOSAL CODE: Inciner LAB CODE: LP5185

D.O.T. PROPER SHIPPING NAME: Waste of non-hazardous Corros

HAZARD CLASS: 3

E.P.A. WASTE 0213 0108
TYPE CODE: 0001, 002 UN/NA: 2924 PG II

PAGE 1 OF 1 DATE 5/12/95

ATOR: Nano Technologies

19th Main St.

Lod: NI07644

ID NO.: NJD 1501315282

IFEST NO.: PAE 135473Y-2.2

M NO.: 22 CONTAINER: 15 dL

[illegible]

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

DISPOSAL CODE: PRG LAB CODE: LP5184

D.O.T. PROPER SHIPPING NAME: WASTE CAUSTIC ALKALI LIQUID

G. RATOR: NAPP TECHNOLOGIES INC
199 MAIN ST
1001 NJ 07644

HAZARD CLASS: 8 P.G. II

EPA ID NO.: NJD0001.315282

E.P.A. WASTE
TYPE CODE: 0002 0005 UNDA: 1719

MANIFEST NO.: PAE 1355734 - 3.3

DRUM NO.: 23 CONTAINER: Spa. 1

PAGE 1 OF 1 DATE 5-12-95

[illegible]

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

EXPORTER: NAPP TECHNOLOGIES INC
199 MAIN ST
LODI NJ 07644
 ID NO.: NJD001315282
 Manifest NO.: PAC 1355734-2-5
 M NO.: 24 CONTAINER: 5 Da.1

D.O.T. PROPER

SHIPPING NAME: WASTE ORGANIC REMOVAL TANK 2 SOLID

HAZARD CLASS: 52 PG II

E.P.A. WASTE 2004 2005
TYPE CODE: _____ (UNNA: 3106

PAGE 1 OF 1 DATE 5-12-95

[illegible]

**REPUBLIC ENVIRONMENTAL
SYSTEMS OF PA., INC.**

Lab Pack Division
21 Church Road
Hatfield, PA 19440
Phone (215) 897-9111
Fax (215) 897-9110

Job # _____

5/12/95

BILL OF LADING

Lab Code LP5184

Generator/Customer: NAPP TECHNOLOGIES INC. EPA ID#: NJD001315282
Address: 199 MAIN ST Phone: (201) 733-31
City, State, Zip: LODI NJ 07644

Destination/Disposer: REPUBLIC ENVIRONMENTAL SYSTEMS (M) INC. EPA ID#: PAD085690592
City, State, Zip: HATFIELD PA 19440 Phone: (215) 822-8991

Transporter: REPUBLIC ENVIRONMENTAL SYSTEMS (TRANS GROUP) Phone: (215) 822-267

QUANTITY	SIZE/TYPE	DESCRIPTION	DISPOSAL CODE	WEIG
2	17H	CORROSIVE SOLID	WC-V HAZ	400
1	5 GAL DF	PHOSPHOROUS PENTOXIDE	INCIN(R)	3#
1	30 GAL DF	HAZARDOUS LIQUID	ECC	50#
1	30 GAL DF	POISONOUS SOLID	INCIN(N)	150
1	30 GAL DF	NON-HAZ SOLID	WC-V NON-HAZ	50

TOTAL DRUMS 22 DESCRIPTION/COMMENTS: PAE 1355734-2-1 TOTAL WEIGHT 1256
TOTAL ITEMS 21

LABOR					MATERIAL			JOB NOTES: DROPPED 6 BAGS OF VERM ON SITE
Name	Start	Arrive	Leave	Return	Description	Type	Number	
U. OTT	600A	900A			17H DRUMS		2	
PFLUGER	600A	900A			30 GAL DF		1	
					5 GAL PAIL		2	
					VERMICULITE		5	

I certify that the above materials are described, classified, marked, labeled and are in proper condition to be transported under applicable Federal EPA, DOT and PA DER regulations and that the contracted work has been completed to the satisfaction of both parties.

Generator Customer Signature [Signature] Date 5/12/95

Republic Environmental Systems Representative [Signature] Date 5/12/95

877490237



PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P.O. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

Form approved.
OMB No. 2050-0039
Expires 9-30-94

WM-51 REV. 1/91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 3	Information in the shaded areas is not required by Federal law but is required by State law.
Generator's Name and Mailing Address		Napp Technologies Inc. 199 Main Street Lodi, NJ 07644		A. State Manifest Document Number PAE 1355734	
Generator's Phone (201) 733-3900		6. US EPA ID Number		B. State Gen. ID Same	
Transporter 1 Company Name PA (MRO)		IPAD085690592		C. State Trans. ID NJ DEP 506209	
Transporter 2 Company Name Republic Env. Sys. (Trans Group)		IPAD982661381		D. Transporter's Phone (215) 822-8995	
Designated Facility Name and Site Address		10. US EPA ID Number		E. State Trans. ID PA 1A H 103171	
Republic Environmental Systems (PA) 2869 Sandstone Drive Hatfield, PA 19440		IPAD085690592		F. Transporter's Phone (215) 822-2676	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	
		No. Type		14. Unit Wt/Vol	
a. RQ, Waste Flammable Liquids, n.o.s., 3, UN1993 PGII (0001, 0002, 0056, 0112, 0140, 0154, 0159) (Acetone, Methanol)		001 DM 00173 P		* D001	
b. RQ, Waste Flammable Liquids, n.o.s., 3, UN1993 PGII (0001, 0003, 0019, 0220, 0112, 0056, 0057, 0239) (Benzene, Cyclohexane)		001 DM 00133 P		* U239 D001	
c. Waste Flammable Liquid, Corrosive, n.o.s., 3, UN2924, PGII (0001, 0002) (Methanol Boron Tr. Fluoride)		001 DF 00001 P		D002 D001	
d. Waste Flammable Liquid, Corrosive, n.o.s., 3, UN1993 (MCO) UN2924, PGII (0001, 0002) (Ethylamine, Diethylamine)		001 DF 00007 P		D002 D001	
Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above			
Lab Pack Physical State 0002, 0056		Lab Pack Physical State		SO1 SO1	
X L 0112, 0140, 0154, 0159		X L 0112, 0140, 0154, 0159		SO1 SO1	
X L 0003, 0019, 0220, 0112, 0056, 0057, 0239		X L 0003, 0019, 0220, 0112, 0056, 0057, 0239		SO1 SO1	
15. Special Handling Instructions and Additional Information		T-118 LP5184		(201) 733-3900 Emergency Phone	
11a. #1					
11b. #2					
11c. #14					
11d.					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.					
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name		Signature		MONTH DAY YEAR	
Stephen T. Vostre		[Signature]		10/5/12/95	
17. Transporter 1 Acknowledgment of Receipt of Materials		Signature		MONTH DAY YEAR	
Mark Ott		[Signature]		10/5/12/95	
18. Transporter 2 Acknowledgment of Receipt of Materials		Signature		MONTH DAY YEAR	
Printed/Typed Name		Signature		MONTH DAY YEAR	
Mark Ott		[Signature]		10/5/12/95	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name		Signature		MONTH DAY YEAR	
Mark Ott		[Signature]		10/5/12/95	

CHARGE EQUAL TO OR IN EXCESS OF
EACH HAZARDOUS WASTE ASSIGNED
"RQ" VALUE TO NATIONAL RESPONSE
CENTER

800-424-8802

RQ's - 5000/1000/100/10/1

a.

RQ =

c.

RQ =

EPA HOTLINE

= 800-424-9346

CDC POISON CENTER

= 404-633-5313

DOT

= 202-366-4488

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

Form Approved OMB No. 2050-0039. Expires 9-3

**UNIFORM HAZARDOUS
WASTE MANIFEST
(Continuation Sheet)**

21. Generator's US EPA ID No.

NJD001315282

Manifest
Document No.

55734

22. Page

2 of 3

Information in the shaded
areas is not required by Federal
law.

23. Generator's Name **NAPP TECHNOLOGIES INC.**
199 MAIN STREET
LODI NJ 07644

L. State Manifest Document Number

PAE 1355734

M. State Generator's ID

SAME

24. Transporter Company Name

25. US EPA ID Number

N. State Transporter's ID

O. Transporter's Phone

26. Transporter Company Name

27. US EPA ID Number

P. State Transporter's ID

Q. Transporter's Phone

28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

29. Containers
No. Type

30.
Total
Quantity

31
Unit
Wt./Vol

R.
Waste No.

a. RQ WASTE FLAMMABLE LIQUIDS, NOS, 3, UN1993, PG II
(D001, D022, F003, U154, U196)
(CHLOROFORM, METHANOL)

001 DM

00084

P

D001

b. WASTE FLAMMABLE LIQUIDS, CORROSIVE NOS, 3, UN2924, PG II
(D001, D002, U108, U213)
(DIOXANE, TETRAHYDROFURAN)

001 DF

00024

P

D002
D001

c. RQ WASTE OXIDIZING SUBSTANCES, SOLID, NOS, 5.1, UN1479, PG II
(D001, D007, D008, D011)
(SILVER NITRATE, LEAD NITRATE)

001 DF

00050

P

D007
D001

d. WASTE PERCHLORIC ACID, 5.1, UN1873, PG I
(D001 D002)

001 DF

00004

P

D002
D001

e. WASTE ORGANIC PEROXIDE, TYPE D, SOLID, 5.2, UN3106, PG II
(D001 D003)

001 DF

00001

P

D003
D001

f. WASTE FLAMMABLE SOLIDS, NOS, 4.1, UN1325, PG II
(D010)
(SELENIUM POWDER, ZINC METAL)

001 DF

00006

P

D010

g. WASTE PICRIC ACID, WET, WITH NOT LESS THAN 10% WATER,
4.1, NA1344, PG I (D001 D003)

001 DF

00040

P

D003
D001

h. RQ WASTE ARSENIC TRIOXIDE, SOLID, 6.1, UN1561, PG II
(D004 P012)

001 DF

00001

P

P012
D004

i. WASTE POISONOUS SOLIDS, NOS, 6.1, UN2811, PG II
(P048)
(2,4-DINITROPHENOL, O-NITROANILINE)

001 DF

00003

P

P048

S. Additional Descriptions for Materials Listed Above ALL ARE LAB PACKS

a. L/I, E, T/* D022, F003, U154, U196

b. L/I, C, T/AU108 U213 e. S/I, R

h. S/E, H

c. S/I, E, F/D008 D011 f. S/E

i. S/H

d. L/I, C g. L/I, R

T. Handling Codes for Wastes Listed Above

ALL ARE 501

32. Special Handling Instructions and Additional Information

28d #18

28e #24

28h #13

28b #22

28f #15

28i #11

28c #5

28g #9

28d #10

T-117 EMERGENCY PH

LP5184 (201) 733-39

33. Transporter Acknowledgement of Receipt of Materials

Date

Printed/Typed Name

Signature

Month Day

34. Transporter Acknowledgement of Receipt of Materials

Date

Printed/Typed Name

Signature

Month Day

35. Discrepancy Indication Space

877490239

EACH HAZARDOUS WASTE ASSIGNED
"RQ" VALUE TO NATIONAL RESPONSE
CENTER 800-424-8802

a. RQ =
b. RQ =

c. RQ =
d. RQ =

EPA Hotline = 800-424-8802
CDC POISON CENTER = 404-633-5313
DOT = 202-366-4488

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

Form Approved OMB No 2050-0039. Expires 9-30-94

**UNIFORM HAZARDOUS
WASTE MANIFEST
(Continuation Sheet)**

21. Generator's US EPA ID No.

Manifest
Document No.

22. Page

Information in the shaded
areas is not required by Federal
law.

23. Generator's Name **Napp Technologies, Inc.**
199 Main Street
Lord, NJ 07644

L. State Manifest Document Number
DAE135734

M. State Generator's ID
Savie

24. Transporter Company Name

25. US EPA ID Number

N. State Transporter's ID

O. Transporter's Phone

26. Transporter Company Name

27. US EPA ID Number

P. State Transporter's ID

Q. Transporter's Phone

28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

29. Containers
No. Type

30
Total
Quantity

31
Unit
Wt. Vol

R.
Waste No.

a. RQ. Waste Mercury Compounds, Solids, n.o.s.,
6.1, UN 2025, PG II (0009) (Mercuric oxide)

001 DF 000 3 P D009

b. Waste Corrosive Liquids, n.o.s., 8, UN1760
PG II (0002) (Sulfuric Acid, Hydrochloric Acid)

001 DM 000 71 P D002

c. Waste Caustic Alkali Liquids, n.o.s., 8
UN1719, PG II (0002, 0005) (Potassium, Sodium Hydroxide)

001 DF 000 2 P D002
D005

d. RQ. Waste Corrosive Solids, n.o.s., 8, UN1759
PG II (0005 D007, D011) (Chromium)

002 DM 000 400 P D007
D011

e. Waste Phosphorous Pentoxide, 8, UN1207, PG II
(0003)

001 DF 000 3 P D003

f. Hazardous Waste Liquid, n.o.s., 9, NA3029
(Chloroform, Formaldehyde)
PG III (0020, 0211, 0014, 0222, 0210, 0212)

001 DF 000 50 P U020 *
U211

g. RQ. Waste Poisonous Solids, n.o.s., 6.1, UN2011
PG II (0002, 0011, 0222, 0219, 0214) (Thiourea)

001 DF 000 50 P D002 *

h. Non Hazardous Waste Solid
D.O.T. Non Regulated (N/A)

001 DF 000 50 P N/A

S. Additional Descriptions for Materials Listed Above All are Lab Pails

T. Handling Codes for Wastes Listed Above

22a. S(E) 22d. S(E) 22h. S
22b. L(C) 22e. S(R)
22c. L(C,E) 22f. L(E,T) * U044, U223, U210, U212
22g. S(E,T) * U018, U219, U214, U212

All are 301

32. Special Handling Instructions and Additional Information

22a. #20 22d. #34 22g. #12 T-117
22b. #16 22e. #21 22h. #19 LP5124
22c. #23 22f. #8

Emergency Phone
(201) 733-3900

33. Transporter Acknowledgement of Receipt of Materials

Date

Printed/Typed Name

Signature

Month Day Year

34. Transporter Acknowledgement of Receipt of Materials

Date

Printed/Typed Name

Signature

Month Day Year

35. Discrepancy Indication Space



LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: Vapp Technologies Generator EPA ID Number: NTD 001315282
Manifest Number: PAE 135573Y

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Approval/Lab Code	Manifest Line # (e.g. 11(a), 11(b))	W W	N W W	List the EPA Waste Codes, Subcategories and/or Constituent(s) of Concern	UHCs* (Y or N)	Classification Group
	289.		X	008 Lead, 001 Silver, 1218 Thioacetamide	N	A
	289.		X	1198 Phenol, 1219 Thiourea, 1144 Lead Acetate	N	A

W.W. - Wastewater

N.W.W. - Non-Wastewater

* The Underlying Hazardous Constituents (UHCs) must be identified for waste streams with the EPA Waste Codes F001-F005, F039, D001 (not treated by CMBST or RORGS), D002, D012-D043 (if treated in non-CWA, non-CWA equivalent or non-SDWA facilities). Please complete and attach an Underlying Hazardous Constituents Table sheet (photocopy as necessary) for each affected Approval/Lab Code.

Classification Groups

- Restricted wastes which require treatment.
- Restricted wastes already treated to meet LDR Treatment Standards.
- Restricted wastes treated with a Specified Technology.
- Restricted waste that meet LDR Treatment Standards without prior treatment.
- Restricted wastes subject to an Exemption or Variance.
- Hazardous debris subject to Alternative Treatment Standards in 40 CFR 268.45 (List Contaminants).
- Hazardous debris subject to Treatment Standards in 40 CFR 268.40.
- Lab Pack wastes subject to Alternative Treatment Standards under 40 CFR 268.42(c).
- Wastes already treated to remove hazardous characteristic(s) but require further treatment for underlying hazardous constituents (list constituents).

The following certification statements correspond to the Classification Groups as specified below:

Classification Group B:

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance level specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

Classification Group C:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonments."

Classification Group D:

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D of all applicable prohibits set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

Classification Group H:

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only waste which have not been excluded under appendix IV to 40 CFR part 268 or solid wastes not subject to regulation under 40 CFR part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group I:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature: [Signature] Title: Manager Date: 5-12-95

LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: Napa Technologies Inc.

Generator EPA ID Number: NJD 001315282

Manifest Number: PAE1355734

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Approval/Lab Code	Manifest Line # (e.g. 11(a), 11(b))	W W	N W W	List the EPA Waste Codes, Subcategories and/or Constituent(s) of Concern	UHCs* (Y or N)	Classification Group
	11a		X	D001 High TOC Ignitable Liquids, D002 Acetone	N	A
	11a		X	D056 Cyclohexane, D112 Ethyl Acetate, D140 Isobutanol	N	A
	11a		X	D154 Methylal, D159 Methyl Ethyl Ketone	N	A
	11b		X	D001 High TOC Ignitable Liquids, F003 Solvents	Y	A
	11b		X	D003 Acetonitrile, D019 Benzene, D220 Toluene	N	A
	11b		X	D112 Ethyl Acetate, D056 Cyclohexane, D057 Cyclohexanone	N	A
	11c		X	D001 High TOC Ignitable Liquids, D002 Corrosive pH < 2	N	A
	11d		X	D001 High TOC Ignitable Liquids, D002 Corrosive pH 12-15	N	A

W.W. - Wastewater

N.W.W. - Non-Wastewater

* The Underlying Hazardous Constituents (UHCs) must be identified for waste streams with the EPA Waste Codes F001-F005, F039, D001 (not treated by CMBST or RORGS), D002, D012-D043 (if treated in non-CWA, non-CWA equivalent or non-SDWA facilities). Please complete and attach an Underlying Hazardous Constituents Table sheet (photocopy as necessary) for each affected Approval/Lab Code.

Classification Groups

- A. Restricted wastes which require treatment.
- B. Restricted wastes already treated to meet LDR Treatment Standards.
- C. Restricted wastes treated with a Specified Technology.
- D. Restricted waste that meet LDR Treatment Standards without prior treatment.
- E. Restricted wastes subject to an Exemption or Variance.
- F. Hazardous debris subject to Alternative Treatment Standards in 40 CFR 268.45 (List Contaminants).
- G. Hazardous debris subject to Treatment Standards in 40 CFR 268.40.
- H. Lab Pack wastes subject to Alternative Treatment Standards under 40 CFR 268.42(c).
- I. Wastes already treated to remove hazardous characteristic(s) but require further treatment for underlying hazardous constituents (list constituents).

The following certification statements correspond to the Classification Groups as specified below:

Classification Group B:

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

Classification Group C:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group D:

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D of all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

Classification Group H:

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes which have not been excluded under appendix IV to 40 CFR part 268 or solid wastes not subject to regulation under 40 CFR part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group I:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature: [Signature]

Title: Manager

Date: 5/12/95

UNDERLYING HAZARDOUS CONSTITUENTS TABLE

Page 2 of 2

Lab Code: _____

Manifest No: PAE 135573

For F001-F005, F039, D001, D002 & D012-D043 Waste Streams

Please identify those constituents which are reasonably expected to be present in the waste referenced above.

☐ Check if none of the Underlying Hazardous Constituents (UHCs) are present in this waste.

(✓) Constituents	(✓) Constituents	(✓) Constituents	(✓) Constituents
Acetone	Dibenz(a,h)pyrene	Hepachlor epoxide	Tetrachlorodibenz(a,h)anthracene
Acenaphthalene	1,2-Dibromodibenz(a,h)anthracene	Hexachlorobenzene	Tetrachlorodibenz(a,h)anthracene
Acenaphthylene	Dibromodibenz(a,h)anthracene	Hexachlorobenzene	1,1,1,2-Tetrachlorodibenz(a,h)anthracene
Acetophenone	2,4-Dichlorodibenz(a,h)anthracene	Hexachlorocyclopentadiene	1,1,2,2-Tetrachlorodibenz(a,h)anthracene
Acrylonitrile	Diphenylamine	Hexachlorodibenz(a,h)anthracene	Tetrachlorodibenz(a,h)anthracene (Tetrachlorodibenz(a,h)anthracene)
2-Acetylnaphthalene	1,2-Diphenylhydrazine	Hexachlorodibenz(a,h)anthracene	2,3,4,6-Tetrachlorophenol
Acrylonitrile	Diphenyl Nitrosamine	Hexachlorodibenz(a,h)anthracene	Toluene
Aldrin	o,p-DDD	Hexachloropropene	1,2,4-Trichlorobenzene
Aldrin	p,p-DDD	Isodrin (1,2,3,4,5,6)pyrene	1,1,1-Trichlorobenzene
Aniline	o,p-DDB	Iodocyclopentadiene	1,1,2-Trichlorobenzene
4-Aminodiphenyl	p,p-DDB	Iodocyclopentadiene	Trichlorobenzene
Atrazine	o,p-DDT	Iodocyclopentadiene	2,4,5-Trichlorophenol
Aroclor 1016	p,p-DDT	Iodocyclopentadiene	2,4,6-Trichlorophenol
Aroclor 1221	Dibenz(a,h)anthracene	Kerosene	1,2,3-Trichloropropene
Aroclor 1232	o-Dichlorobenzene	Methacrylonitrile	1,1,2-Trichloro-1,2,2-trifluoroethane
Aroclor 1242	m-Dichlorobenzene	Methylpyrene	vinyl (2,3-Dibromopropyl) phosphonate
Aroclor 1248	p-Dichlorobenzene	Methanol	Vinyl chloride
Aroclor 1254	Dichlorodibenz(a,h)anthracene	Methoxychlor	Xylene(s)
Aroclor 1260	1,1-Dichlorobenzene	3-Methoxychlorobenzene	INORGANIC CONSTITUENTS
alpha-BHC	1,2-Dichlorobenzene	4,4-Methylene bis (2-chloroaniline)	Cyanide (Total)
beta-BHC	1,1-Dichlorodibenz(a,h)anthracene	Methylene chloride	Fluoride
gamma-BHC	trans-1,2-Dichlorobenzene (2-Dichlorodibenz(a,h)anthracene)	Methyl ethyl ketone	Sulfide
Benzene	2,4-Dichlorophenol	Methyl isobutyl ketone	Antimony
Benz(a)anthracene	2,6-Dichlorophenol	Methyl methacrylate	Arsenic
Benz(a)fluoranthene	1,2-Dichloropropene	Methyl methacrylate	Boron
Benz(a)k)fluoranthene	cis-1,3-Dichloropropene	Methyl parathion	Baryllum
Benz(a)g,h)perylene	trans-1,3-Dichloropropene	Naphthalene	Cadmium
Benz(a)pyrene	Dieldrin	2-Naphthylamine	Chromium (total)
Bromochlorobenzene	Diethyl phthalate	p-Nitroaniline	Copper
Bromofenol	2,4-Dimethyl phenol	Nitrobenzene	Lead
Bromodibenz(a,h)anthracene	Dimethyl phthalate	5-Nitro-o-toluidine	Manganese
4-Bromophenyl phenyl ether	Di-n-butyl phthalate	4-Nitrophenol	Nickel
n-Butyl alcohol	1,4-Dimethoxybenzene	N-Nitrosodimethylamine	Selenium
Butyl benzyl phthalate	4,6-Dinitro-o-cresol	N-Nitrosodimethylamine	Silver
2-sec-Butyl-4,6-dinitrophenol	2,4-Dinitrophenol	N-Nitroso-d-n-butylamine	Thallium
Carbon disulfide	2,4-Dinitrobenzene	N-Nitrosodimethylamine	Vanadium
Carbon tetrachloride	2,6-Dinitrobenzene	N-Nitrosomorpholine	TOLUENE
Chlordane	Di-n-octyl phthalate	N-Nitrosopropylamine	
p-Chloroaniline	Di-n-propylphthalate	Parathion	
Chlorobenzene	Dieldrin	Permethrin	
Chlorobenzonitrile	Endosulfan I	Permethrin	
Chlorodibenz(a,h)anthracene	Endosulfan II	Permethrin	
Chlorodibenz(a,h)anthracene	Endosulfan sulfate	Permethrin	
Chlorodibenz(a,h)anthracene	Endrin	Permethrin	
1-Chloro-1,3-butadiene	Endrin aldehyde	Phenol	
1,1-(2-chloroethoxy) methane	Ethyl acetate	Phenol	
1,1-(2-chloroethyl) ether	Ethyl benzene	Phenol	
Chloroform	Ethyl cyanoide	Phenol	
1,1-(2-chloropropyl) ether	Ethyl ether	Phthalic Anhydride	
p-Chloro-m-cresol	1,1-(2-ethylhexyl) phthalate	Phthalic Anhydride	
Chlorobenzene (methyl chloride)	Ethyl methacrylate	Phthalic Anhydride	
2-Chloronaphthalene	Ethylene oxide	Phthalic Anhydride	
2-Chlorophenol	Famphox	Pyrene	
1-Chloropropene	Fluorenone	Pyridine	
1,1-Chloropropylene	Fluorene	Sulfide	
Chrysene	Fluorochlorobenzene	Sulfide	
o-Cresol	Heptachlor	Sulfide	
Cresol (m,p isomers)		Sulfide	
Cyclohexane		Sulfide	

*Please use photocopies of this form to identify the UHCs for each lab code as appropriate.

877490243

Generator Name: Napco Technologies Inc.

Generator EPA ID Number: ATD 001315282

Manifest Number: PAF 1355734

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Approval/Lab Code	Manifest Line # (e.g., 11(a), 11(b))	W W	N W W	List the EPA Waste Codes, Subcategories and/or Constituent(s) of Concern	UHCs* (Y or N)	Classification Group
	28a.		X	2003 Solvents, 2022 Chloroform, 0154 Methylene	Y	A
	28a.		X	U196 Purified, 1001 High TCC Ignitable Liquids	N	A
	28b.		X	11213 Tetrahydrofuran, 0108 Dioxane	N	A
	28b.		X	2001 High TCC Ignitable Liquids, 2002 Corrosive pH < 2	N	A
	28c.		X	2001 Oxidizer, 2007 Chromium, 2008 Lead, 2011 Silver	N	A
	28d.		X	1001 Acid, 2002 Corrosive pH < 2	N	A
	28e.		X	2001 Ignitable Reactives, 2003 Ignitable reactives	N	A
	28f.		X	2010 Selenium	N	A

W.W. - Wastewater

N.W.W. - Non-Wastewater

* The Underlying Hazardous Constituents (UHCs) must be identified for waste streams with the EPA Waste Codes F001-F005, F039, D001 (not treated by CMBST or RORGS), D002, D012-D043 (if treated in non-CWA, non-CWA equivalent or non-SDWA facilities). Please complete and attach an Underlying Hazardous Constituents Table sheet (photocopy as necessary) for each affected Approval/Lab Code.

Classification Groups

- A. Restricted wastes which require treatment.
- B. Restricted wastes already treated to meet LDR Treatment Standards.
- C. Restricted wastes treated with a Specified Technology.
- D. Restricted waste that meet LDR Treatment Standards without prior treatment.
- E. Restricted wastes subject to an Exemption or Variance.
- F. Hazardous debris subject to Alternative Treatment Standards in 40 CFR 268.45 (List Contaminants).
- G. Hazardous debris subject to Treatment Standards in 40 CFR 268.40.
- H. Lab Pack wastes subject to Alternative Treatment Standards under 40 CFR 268.42(c).
- I. Wastes already treated to remove hazardous characteristic(s) but require further treatment for underlying hazardous constituents (list constituents).

The following certification statements correspond to the Classification Groups as specified below:

Classification
Group B:

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

Classification
Group C:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification
Group D:

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D of all applicable prohibits set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

Classification
Group H:

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes which have not been excluded under appendix IV to 40 CFR part 268 or solid wastes not subject to regulation under 40 CFR part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification
Group I:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature: [Signature]

Title: Super.

Date: _____

UNDERLYING HAZARDOUS CONSTITUENTS TABLE

Page 4 of 6

Lab Code: _____

Manifest No: PAE 135573

For F001-F005, F039, D001, D002 & D012-D043 Waste Streams.

Please identify those constituents which are reasonably expected to be present in the waste referenced above.

☐ Check if none of the Underlying Hazardous Constituents (UHCs) are present in this waste.

(√) Constituents	(√) Constituents	(√) Constituents	(√) Constituents
Acetone	Dibenz(a,h)pyrene	Hepachlor epoxide	Tetrachlorodibenz(a,h)anthracene
Acenaphthalene	1-2-Dichloroethane (ethylene dichloride)	Hexachlorobenzene	Tetrachlorodibenz(a,h)anthracene
Acenaphthene	Dibromomethane	Hexachlorocyclopentadiene	1,1,1,2-Tetrachloroethane
Acetanilide	2,4-Dichlorophenoxyacetic acid	Hexachlorocyclopentadiene	1,1,2,2-Tetrachloroethane
Acetophenone	Diphenylamine	Hexachlorodibenz(a,h)anthracene	Tetrachloroethane (Tetrachloroethylene)
2-Acetylaminofluorene	1,2-Diphenylhydrazine	Hexachlorodibenz(a,h)anthracene	2,3,4,6-Tetrachlorophenol
Acrylonitrile	Diphenyl Nitrocarbazone	Hexachloroethane	Tenaphene
Aldrin	o,p-DDD	Hexachloropropene	1,2,4-Trichlorobenzene
Aldrin	p,p-DDD	Isomer 1,2,3,4-dipyrone	1,1,1-Trichloroethane
Aniline	p,p-DDD	Isodurethane	1,1,2-Trichloroethylene
4-Aminobiphenyl	p,p-DDD	Isobutanol	Trichloroethylene
Anthracene	p,p-DDT	Isobutyl alcohol	2,4,5-Trichlorophenol
Aroclor 1016	p,p-DDT	Kerosene	2,4,6-Trichlorophenol
Aroclor 1221	Dibenz(a,h)anthracene	Metacrylonitrile	1,2,3-Trichloropropene
Aroclor 1232	o-Dichlorobenzene	Metaphenylene	1,1,2-Trichloro-1,2,2-trifluoroethane
Aroclor 1242	m-Dichlorobenzene	Methanol	vin(2,3-Dichloropropyl) phosphine
Aroclor 1248	p-Dichlorobenzene	Methoxychlor	Vinyl chloride
Aroclor 1254	Dichlorodifluoromethane	Methylchloride	Xylene(s)
Aroclor 1260	1,1-Dichloroethane	3-Methylchlorobenzene	INORGANIC CONSTITUENTS
alpha-BHC	1,2-Dichloroethane	4,4 Methylene bis (2-chloroaniline)	Cyanide (Total)
beta-BHC	1,1-Dichloroethylene	Methylene chloride	Fluoride
gamma-BHC	trans-1,2 Dichloroethane (2-Dichloroethylene)	Methyl ethyl ketone	Sulfide
Benzene	2,4-Dichlorophenol	Methyl isobutyl ketone	Antimony
benz(a)anthracene	2,6-Dichlorophenol	Methyl methacrylate	Antimony
benz(b)fluoranthene	1,2-Dichloropropene	Methyl methacrylate	Bismuth
benz(k)fluoranthene	cis-1,3 Dichloropropene	Methyl parathion	Cadmium
benz(g,h,i)perylene	trans-1,3 Dichloropropene	Naphthalene	Chromium (total)
benz(a)pyrene	Dieldrin	2-Naphthylamine	Copper
Bromodichloromethane	Diethyl phthalate	p-Nitroaniline	Lead
Bromoforn	2,4-Dimethyl phthalate	Nitrobenzene	Mercury
Bromomethane (methyl bromide)	Dimethyl phthalate	5-Nitro-o-toluidine	Nickel
4-Bromophenyl phenyl ether	Di-n-butyl phthalate	4-Nitrophenol	Selenium
n-Butyl alcohol	1,4-Dinitrobenzene	N-Nitrosodimethylamine	Silver
Butyl benzyl phthalate	4,6-Dinitro-o-cresol	N-Nitroso-d-n-butylamine	Thallium
2-sec-Butyl-4,6-dinitrophenol	2,4-Dinitrophenol	N-Nitrosodimethylamine	Vanadium
Carbon disulfide	2,4-Dinitrobenzene	N-Nitrosomorpholine	TOLUENE
Carbon tetrachloride	2,6-Dinitrobenzene	N-Nitrosopiperidine	
Chlordane	Di-n-octyl phthalate	N-Nitrosopyrrolidine	
p-Chloroaniline	Di-n-propyltinocarbamate	Parathion	
Chlorobenzene	Dinitrofenol	Pentachlorobenzene	
Chlorobenzonitrile	Endosulfen I	Pentachlorodibenz(a,h)anthracene	
Chlorobromomethane	Endosulfen II	Pentachlorodibenz(a,h)anthracene	
Chloroethane	Endosulfen sulfate	Pentachlorodibenz(a,h)anthracene	
2-Chloro-1,3-butadiene	Endrin	Pentachlorodibenz(a,h)anthracene	
bu-(2-chloroethoxy) methane	Endrin aldehyde	Pentachlorophenol	
bu-(2-chloroethyl) ether	Ethyl acetate	Phenacetin	
Chloroform	Ethyl benzene	Phenanthrene	
bu(2-chloropropyl) ether	Ethyl cyanoide	Phenol	
p-Chloro-m-cresol	Ethyl ether	Phenol	
Chloromethane (methyl chloride)	bu-(2-ethylthio) phthalate	Phthalic Anhydride	
2-Chloronaphthalene	Ethyl methacrylate	Phthalic Anhydride	
2-Chlorophenol	Ethylene oxide	Phthalic Anhydride	
2-Chloropropene (1-Chloropropylene)	Famphar	Pyrene	
Chrysene	Fluoranthene	Pyridine	
o-Cresol	Fluorene	Sulfate	
Cresol (m,p isomers)	Fluoranthene	Sulfate (2,4,5-TP)	
Cyclohexanone	Hepachlor	2,4,5-T	
		1,2,4,5-Tetrachlorobenzene	

*Please use photocopies of this form to identify the UHCs for each lab code as appropriate.

877490245

**REPUBLIC
ENVIRONMENTAL
SYSTEMS**
LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: Napp Technologies

Generator EPA ID Number: NJD 001315282

Manifest Number: PAE 1355734

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Approval/Lab Code	Manifest Line # (e.g. 11(a), 11(b))	W W	N W	List the EPA Waste Codes, Subcategories and/or Constituent(s) of Concern	UHCs* (Y or N)	Classification Group
	289		X	D001 Ignitable Reactives D003 Ignitable Reactives	N	A
	289h		X	D004 Arsenic D012 Arsenic Trioxide	N	A
	28i		X	D016 Dinitrophenol	N	A

W.W. - Wastewater

N.W.W. - Non-Wastewater

* The Underlying Hazardous Constituents (UHCs) must be identified for waste streams with the EPA Waste Codes F001-F005, F039, D001 (not treated by CMBST or RORGS), D002, D012-D043 (if treated in non-CWA, non-CWA equivalent or non-SDWA facilities). Please complete and attach an Underlying Hazardous Constituents Table sheet (photocopy as necessary) for each affected Approval/Lab Code.

Classification Groups

- Restricted wastes which require treatment.
- Restricted wastes already treated to meet LDR Treatment Standards.
- Restricted wastes treated with a Specified Technology.
- Restricted waste that meet LDR Treatment Standards without prior treatment.
- Restricted wastes subject to an Exemption or Variance.
- Hazardous debris subject to Alternative Treatment Standards in 40 CFR 268.45 (List Contaminants).
- Hazardous debris subject to Treatment Standards in 40 CFR 268.40.
- Lab Pack wastes subject to Alternative Treatment Standards under 40 CFR 268.42(c).
- Wastes already treated to remove hazardous characteristic(s) but require further treatment for underlying hazardous constituents (list constituents).

The following certification statements correspond to the Classification Groups as specified below:

Classification Group B:

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

Classification Group C:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group D:

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D of all applicable prohibits set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

Classification Group H:

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes which have not been excluded under appendix IV to 40 CFR part 268 or solid wastes not subject to regulation under 40 CFR part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group I:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature: [Signature]

Title: Rep

Date: 5-12-95

UNDERLYING HAZARDOUS CONSTITUENTS TABLE

Page 6 of 9

Lab Code: _____

Manifest No: PAE 1355

For F001-F005, F039, D001, D002 & D012-D043 Waste Streams

Please identify those constituents which are reasonably expected to be present in the waste referenced above.

☒ Check if none of the Underlying Hazardous Constituents (UHCs) are present in this waste.

(✓) Constituents	(✓) Constituents	(✓) Constituents	(✓) Constituents
Acetone	Dibenz(a,h)pyrene	Hepachlor epoxide	Tetrachlorodibenzo-furans
Acenaphthalene	1,2-Dichloroethane (ethylene dichloride)	Hazachlorobenzene	Tetrachlorodibenzo-p-dioxins
Acenaphthene	Dibromochloromethane	Hazachlorobenzene	1,1,1,2-Tetrachloroethane
Acetaminide	2,4-Dichlorophenoxyacetic acid	Hazachlorocyclopentadiene	1,1,1,2-Tetrachloroethane
Acetophenone	Diphenylamine	Hazachlorodibenzofurans	1,1,1,2-Tetrachloroethane
2-acetylaminofluorene	1,2-Diphenyl hydrazine	Hazachlorodibenzop-dioxins	2,3,4,6-Tetrachlorophenol
Acrylamide	Diphenyl Nitrosamine	Hazachloroethane	Toluene
Aldrin	o,p-DDD	Hazachloropropene	1,2,4-Trichlorobenzene
Aldrin	p,p-DDD	Indeno (1,2,3-c,d)pyrene	1,1,1-Trichloroethane
Atrazine	o,p-DDE	Iodanthene	1,1,2-Trichloroethane
4-Aminobiphenyl	p,p-DDE	Iodobenzene	1,1,2-Trichloroethane
Anthracene	o,p-DDT	Iodolene	2,4,5-Trichlorophenol
Aroclor 1016	p,p-DDT	Isoctane	2,4,6-Trichlorophenol
Aroclor 1221	Dibenz(a,h)anthracene	Kerosene	1,2,3-Trichloropropene
Aroclor 1232	o-Dichlorobenzene	Methacrylonitrile	1,1,2-Trichloro-1,2,2-trifluoroethane
Aroclor 1242	m-Dichlorobenzene	Methacrylonitrile	tris(2,3-Dibromopropyl) phosphine
Aroclor 1248	p-Dichlorobenzene	Methanol	Vinyl chloride
Aroclor 1254	Dichlorodifluoromethane	Methoxychlor	Xylene(s)
Aroclor 1260	1,1-Dichloroethane	3-Methoxychlorobenzene	INORGANIC CONSTITUENTS
alpha-BHC	1,2-Dichloroethane	4,4-Methylene bis (2-chloroaniline)	Cyanide (Total)
beta-BHC	1,1-Dichloroethane	Methylene chloride	Fluoride
gamma-BHC	trans-1,2-Dichloroethane (2-Dichloroethylene)	Methyl ethyl ketone	Sulfide
Benzene	2,4-Dichlorophenol	Methyl isobutyl ketone	Ammonia
Benz(a)anthracene	2,6-Dichlorophenol	Methyl methacrylate	Acetone
Benz(b)fluoranthene	1,2-Dichloropropene	Methyl methacrylate	Boronic
Benz(h)fluoranthene	cis-1,3-Dichloropropene	Methyl pyrazole	Beryllium
Benz(g,h,i)perylene	trans-1,3-Dichloropropene	Naphthalene	Cadmium
Benz(o)pyrene	Dieldrin	2-Naphthylamine	Chromium (total)
Bromodichloromethane	Diethyl phthalate	p-Nitroaniline	Copper
Bromoforn	2,4-Dimethyl phthalate	Nitrobenzene	Lead
Bromochloromethane (methyl bromide)	Dimethyl phthalate	5-Nitro-o-toluidine	Mercury
4-Bromophenyl phenyl ether	Di-n-butyl phthalate	4-Nitrophenol	Nickel
n-Butyl alcohol	1,4-Dinitrobenzene	N-Nitrosodimethylamine	Selenium
Butyl benzyl phthalate	4,6-Dinitro-o-cresol	N-Nitrosodimethylamine	Silver
2-sec-Butyl-4,6-dinitrophenol	2,4-Dinitrophenol	N-Nitroso-d-n-butylamine	Thallium
Carbon disulfide	2,4-Dinitrobenzene	N-Nitrosodimethylamine	Vanadium
Carbon tetrachloride	2,6-Dinitrobenzene	N-Nitrosomorpholine	TOLUENE
Chlordane	Di-n-octyl phthalate	N-Nitrosopiperidine	
p-Chloroaniline	Di-n-propyltinocumene	N-Nitrosopyrrolidine	
Chlorobenzene	Dinitrofen	Parathion	
Chlorobenzene	Endosulfan I	Permethrin	
Chlorobenzene	Endosulfan II	Permethrin	
Chlorobenzene	Endosulfan sulfate	Permethrin	
2-Chloro-1,3-benzenediol	Endrin	Permethrin	
bis-(2-chloroethoxy) methane	Endrin aldehyde	Phenanthrene	
bis-(2-chloroethyl) ether	Ethyl acetate	Phenanthrene	
Chloroform	Ethyl benzene	Phenol	
bis-(2-chloroisopropyl) ether	Ethyl cyanide	Phenol	
p-Chloro-m-cresol	Ethyl ether	Phenol	
Chloromethane (methyl chloride)	bis-(2-ethylhexyl) phthalate	Phthalic Anhydride	
2-Chloronaphthalene	Ethyl methacrylate	Propylene	
2-Chlorophenol	Ethylene oxide	Pyrene	
1-Chloropropene (1-Chloropropylene)	Fenophr	Pyridine	
Chrysene	Fluoranthene	Sulfate	
o-Cresol	Fluorene	Sulfate 2,4,5-TP	
Cresol (m,p isomers)	Fluoranthene	2,4,5-T	
Cyclohexane	Hepachlor	1,2,4,5-Tetrachlorobenzene	

*Please use photocopies of this form to identify the UHCs for each lab code as appropriate.

877490247

**REPUBLIC
ENVIRONMENTAL
SYSTEMS**
LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

 Generator Name: Napp Technologies Inc. Generator EPA ID Number: ~~NTD~~ NJD 001315282

 Manifest Number: PAE1355734

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Approval/Lab Code	Manifest Line # (e.g., 11(a), 11(b))	W W	N W W	List the EPA Waste Codes, Subcategories and/or Constituent(s) of Concern	UHCs* (X or N)	Classification Group
	28a.		X	D009 Mercury	N	A
	28b.		X	D002 Corrosive pH < 2	N	A
	28c.		X	D002 Corrosive pH < 2.5 D005 Barium	N	A
	28d.		Y	D005 Barium, D007 Chromium, D011 Silver	N	A
	28e.		X	D003 Other reactives	N	A
	28f.		X	D050 Methylene chloride, D231 Carbon Tetrachloride	N	A
	28f.		X	D004 Chloroform, D228 Trichloroethylene	N	A
	28f.		X	D120 Tetrachloroethylene, D122 Formaldehyde	N	A

W.W. - Wastewater

N.W.W. - Non-Wastewater

* The Underlying Hazardous Constituents (UHCs) must be identified for waste streams with the EPA Waste Codes F001-F005, F039, D001 (not treated by CMBST or RORGS), D002, D012-D043 (if treated in non-CWA, non-CWA equivalent or non-SDWA facilities). Please complete and attach an Underlying Hazardous Constituents Table sheet (photocopy as necessary) for each affected Approval/Lab Code.

Classification Groups

- Restricted wastes which require treatment.
- Restricted wastes already treated to meet LDR Treatment Standards.
- Restricted wastes treated with a Specified Technology.
- Restricted waste that meet LDR Treatment Standards without prior treatment.
- Restricted wastes subject to an Exemption or Variance.
- Hazardous debris subject to Alternative Treatment Standards in 40 CFR 268.45 (List Contaminants).
- Hazardous debris subject to Treatment Standards in 40 CFR 268.40.
- Lab Pack wastes subject to Alternative Treatment Standards under 40 CFR 268.42(c).
- Wastes already treated to remove hazardous characteristic(s) but require further treatment for underlying hazardous constituents (list constituents).

The following certification statements correspond to the Classification Groups as specified below:

Classification Group B:

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

Classification Group C:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group D:

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D of all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

Classification Group H:

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes which have not been excluded under appendix IV to 40 CFR part 268 or solid wastes not subject to regulation under 40 CFR part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group I:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

 Signature: [Signature] Title: Asst. Mgr. Date: 5-12-95

UNDERLYING HAZARDOUS CONSTITUENTS TABLE

Page 2 of 1

Lab Code: _____

Manifest No: PAE 135573

For F001-F005, F039, D001, D002 & D012-D043 Waste Streams

Please identify those constituents which are reasonably expected to be present in the waste referenced above.

Check if none of the Underlying Hazardous Constituents (UHCs) are present in this waste.

(√) Constituents	(√) Constituents	(√) Constituents	(√) Constituents
Acetone	Dibenz(a,h)pyrene	Hepachlor epoxide	Tetrachlorodibenzo-furans
Acenaphthalene	1,2-Dibromomethane (ethylene dibromide)	Hexachlorobenzene	Tetrachlorodibenzo-p-dioxins
Acenaphthene	Dibromomethane	Hexachlorobenzene	1,1,1,2-Tetrachlorodioxins
Acetonitrile	2,4-Dichlorophenoxyacetic acid	Hexachlorocyclopentadiene	1,1,2,2-Tetrachlorodioxins
Acetophenone	Diphenylamine	Hexachlorodibenzo-furans	Tetrachlorodioxins (Tetrachlorodioxins)
2-acetylaminoethanol	1,2-Diphenyl hydrazine	Hexachlorodibenzo-p-dioxins	2,3,4,6-Tetrachlorophenol
Acrylonitrile	Diphenyl Nitrosamine	Hexachloropropene	Toluene
Aldrin	o,p-DDD	Hexachloropropene	1,2,4-Trichlorobenzene
Aldrin	p,p-DDD	Indeno(1,2,3-c,d)pyrene	1,1,1-Trichloroethane
Aniline	o,p-DDE	Iodobenzene	1,1,2-Trichloroethylene
4-Aminobiphenyl	p,p-DDE	Iodobenzene	Trichloroethylene
Anthracene	o,p-DDT	Iodobenzene	2,4,5-Trichlorophenol
Aroclor 1016	p,p-DDT	Iodobenzene	2,4,6-Trichlorophenol
Aroclor 1221	Dibenz(a,h)anthracene	Kerosene	1,2,3-Trichloropropene
Aroclor 1232	o-Dichlorobenzene	Methacrylonitrile	1,1,2-Trichloro-1,2,2-trifluoroethane
Aroclor 1242	m-Dichlorobenzene	Methacrylonitrile	vin(2,3-Dichloropropyl) phosphine
Aroclor 1248	p-Dichlorobenzene	Methanol	Vinyl chloride
Aroclor 1254	Dichlorodifluoromethane	Methoxychlor	Xylene(s)
Aroclor 1260	1,1-Dichloroethane	3-Methoxychlorobenzene	
alpha-BHC	1,2-Dichloroethane	4,4-Methylen bis (2-chloroaniline)	INORGANIC CONSTITUENTS
beta-BHC	1,1-Dichloroethylene	Methylene chloride	Cyanides (Total)
gamma-BHC	trans-1,2-Dichloroethane (2-Dichloroethylene)	Methyl ethyl ketone	Fluoride
Benzene	2,4-Dichlorophenol	Methyl isobutyl ketone	Sulfide
Benz(a)anthracene	2,6-Dichlorophenol	Methyl methacrylate	Ammonia
Benz(b)fluoranthene	1,2-Dichloropropene	Methyl methanesulfonate	Arsenic
Benz(k)fluoranthene	cis-1,3-Dichloropropene	Methyl parathion	Boron
Benz(g,h,i)perylene	trans-1,3-Dichloropropene	Naphthalene	Beryllium
Benz(a)pyrene	Dieldrin	2-Naphthylamine	Cadmium
Bromodichloromethane	Diethyl phthalate	p-Nitroaniline	Chromium (total)
Bromoforn	2,4-Dimethyl phenol	Nitrobenzene	Copper
Bromomethane (methyl bromide)	Dimethyl phthalate	5-Nitro-o-toluidine	Lead
4-Bromophenyl phenyl ether	Di-n-butyl phthalate	4-Nitrophenol	Mercury
n-Butyl alcohol	1,4-Dinitrobenzene	N-Nitrosodimethylamine	Nickel
Butyl benzyl phthalate	4,6-Dinitro-o-cresol	N-Nitrosodimethylamine	Selenium
2-sec-Butyl-4,6-dinitrophenol	2,4-Dinitrophenol	N-Nitroso-di-n-butylamine	Silver
Carbon disulfide	2,4-Dinitrobenzene	N-Nitrosomethylmethylaniline	Thallium
Carbon tetrachloride	2,6-Dinitrobenzene	N-Nitrosomorpholine	Vanadium
Chlordane	Di-n-octyl phthalate	N-Nitrosomorpholine	
p-Chloroaniline	Di-n-propyltinocoumarone	N-Nitrosopyrrolidine	TOLUENE
Chlorobenzene	Dialufon	Parathion	
Chlorobenzilate	Endosulfon I	Permethrin	
Chlorodibromomethane	Endosulfon II	Permethrin	
Chloroethane	Endosulfon sulfate	Permethrin	
1-Chloro-1,3-butadiene	Endrin	Permethrin	
bis-(2-chloroethoxy) methane	Endrin aldehyde	Phenol	
bis-(2-chloroethyl) ether	Ethyl acetate	Phenol	
Chloroform	Ethyl benzene	Phenol	
bis(2-chloroisopropyl) ether	Ethyl cyanide	Phenol	
p-Chloro-m-cresol	Ethyl ether	Phthalic Anhydride	
Chloromethane (methyl chloride)	bis-(2-ethylhexyl) phthalate	Propanamide	
2-Chlorophenol	Ethyl methacrylate	Pyrene	
1-Chloropropane	Ethylene oxide	Pyridine	
1-Chloropropylene	Famphur	Sulfide	
Chrysene	Fluoranthene	Silver(2,4,5-TP)	
c-Cresol	Fluorene	2,4,5-T	
Cresol (m,p isomers)	Fluoranthene	1,2,4,5-Tetrachlorobenzene	
Cyclohexane	Hepachlor		

*Please use photocopies of this form to identify the UECs for each lab code as appropriate.

877490249

REPUBLIC ENVIRONMENTAL
SYSTEMS OF PA., INC.

Lab Pack Division
21 Church Road
Hatfield, PA 19440
Phone (215) 997-9111
Fax (215) 997-9110

877490250

Lab # _____
Date 5/12/95

BILL OF LADING

Lab Code LP 5184

Generator/Customer: NAPP TECHNOLOGIES INC. EPA ID #: NJDO01315282
Address: 199 MAIN STREET Phone: (201) 733-3900
City, State, Zip: LODI, NJ 07644

Destination/Disposer: REPUBLIC ENVIRONMENTAL SYSTEMS (PA) INC. EPA ID #: PAD085690592
City, State, Zip: HATFIELD PA 19440 Phone: 215-822-8995

Transporter: REPUBLIC ENVIRONMENTAL SYSTEMS (TRANS GROUP) Phone: 215-822-2676

QTY	SIZE/TYPE	DESCRIPTION	DISPOSAL CODE	WEIGHT
1	17H	FLAMMABLE LIQUID	EC-C	306 306
1	5 GAL 5 GAL DF	FLAMMABLE LIQUID, CORROSIVE	INCIN(R)	1 1*
	5 GAL DF	FLAMMABLE LIQUID, CORROSIVE	AMINE	7*
	17H	FLAMMABLE LIQUID	EC-B	84*
	15 GAL DF	FLAMMABLE LIQUID, CORROSIVE	INCIN(N)	24*
	30 GAL DF	OXIDIZER SOLID	INCIN(N)	50*
	5 GAL DF	PERCHLORIC ACID	BDT	4*
	5 GAL DF	ORGANIC PEROXIDE	INCIN(R)	1*
	5 GAL DF	FLAMMABLE SOLID	INCIN(R)	6*
	30 GAL DF	PICRIC ACID	INCIN(R)	40*
	5 GAL DF	ARSENIC TRIOXIDE	INCIN(N)	1*
1	5 GAL DF	POISONOUS SOLID	INCIN(N)	3*
1	5 GAL DF	MERCURY COMPOUNDS	STABLEX	3*
1	30 GAL DF	CORROSIVE LIQUIDS	PRA	71*
1	5 GAL DF	CAUSTIC ALKALI LIQUID	PRB	2*

TOTAL DRUMS 22 DESCRIPTION/COMMENTS: PAE 1355734-2-1 TOTAL WEIGHT 1256*
TOTAL ITEMS 21

LABOR					MATERIAL			JOB NOTES:
Name	Start	Arrive	Leave	Return	Description	Type	Number	
OTT	600A	900A			DRUMS	17H	2	DROPPED 6 BAGS OF VERM ON SITE
PFLUGER	600A	900A			FIBERS	30 GAL	1	
					PAIS	5 GAL	2	
					VERMICULITE	-	5	

Verify that the above materials are described, classified, marked, labeled and are in proper condition to be transported under applicable federal EPA, DOT and PA DER regulations and that the contracted work has been completed to the satisfaction of both parties.

Generator Customer Signature

Date 5-12-95

Republic Environmental Systems Representative

Date 5-12-95

This Memorandum

is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper No. _____

Carrier No. 51285

Date 5/12/85

Page 1 of 3

Edwin Chien

(Name of carrier)

(SCAC)

On Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1

TO:
Consignee W. A. P. T. Co. Inc.
Street 400 E. Main Street
City Buffalo State NY Zip Code 14202

FROM:
Shipper Edwin Chien
Street 201 West 24th St.
City Buffalo State NY Zip Code 14202
24 hr. Emergency Contact Tel. No. _____

Route						Vehicle Number
No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class, Identification Number (UN or NA), Packing Group, per 172.101, 172.202, 172.203	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	C
1	X	<u>500 LBS. 200 PG III</u>	<u>500 LBS.</u>			
1	X	<u>500 LBS. 200 PG III</u>	<u>500 LBS.</u>			
1	X	<u>500 LBS. 200 PG III</u>	<u>500 LBS.</u>			
3	X	<u>500 LBS. 200 PG III</u>	<u>900 LBS.</u>			

PLACARDS TENDERED: YES ☐ NO ☐

REMIT C.O.D. TO: ADDRESS

COD

Amt: \$

C.O.D. FEE: PREPAID ☐ COLLECT ☐ \$

TOTAL CHARGES: \$

FREIGHT CHARGE FREIGHT PREPAID ☐ Check if freight is checked ☐

Note — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

\$ _____ per _____

I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by ☐ Rail ☐ Highway ☐ Water (DELETE NON-APPLICABLE MODE OF TRANSPORT) according to applicable international and national governmental regulations.

Signature

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

RECEIVED subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of

said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER

CARRIER Edwin Chien

PER

PER Edwin Chien

DATE

5/12/85

Permanent post-office address of shipper.



PRINTED ON RECYCLED PAPER USING SOYBEAN INK



STYLE F65 LABELMASTER, An American Labelmark Co., Chicago, IL 60646

877490251

Memorandum

Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper No. _____

Carrier No. 5725577Date 5/12/952 of 3Bilco Chem

(Name of carrier)

(SCAC)

Delivery shipments, the letters COD must appear before consignee's name or as otherwise provided in item 430, Sec. 1

In re NAPO Technologies IncP.O. Box 900 Main Street200State N.J.Zip Code 07647

FROM:

Shipper Bilco Chemical Corp.Street 200 Main StreetCity PatersonState N.J.Zip Code 07750

24 hr. Emergency Contact Tel. No. _____

Vehicle
Number

Q. of Units Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class, Identification Number (UN or NA), Packing Group, per 172.101, 172.202, 172.203	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
<u>2</u>		<u>Flammable USP. WIR. X</u>	<u>112.16</u>			
<u>1</u>	<u>X</u>	<u>Flammable S.L. 3 Y</u>				
		<u>8 UN1333, PG III</u>	<u>100.16</u>			
<u>3</u>	<u>X</u>	<u>Flammable</u>				
		<u>8 UN1333 PG III</u>	<u>675.16</u>			
<u>2</u>	<u>X</u>	<u>Flammable</u>	<u>40.16</u>			
		<u>8 UN1333 PG III</u>				
<u>1</u>	<u>X</u>	<u>Flammable</u>	<u>92.16</u>			
		<u>8 UN1333 PG III</u>				
		<u>3.16</u>				

PLACARDS TENDERED: YES ☐ NO ☒REMIT
C.O.D. TO:
ADDRESS

COD

Amt: \$

C.O.D. FEE:
PREPAID ☐
COLLECT ☐ \$TOTAL
CHARGES: \$FREIGHT CHARGES
FREIGHT PREPAID ☐ Check box if charges
are to be collected when bill is
presented ☐ ☐ ☐Where the rate is dependent on value, shippers are
advised to state specifically in writing the agreed or declared
value of the property.I agree or declared value of the property is hereby
stated by the shipper to be not exceeding

Per _____

I hereby declare that the contents of this consignment are
fully and accurately described above by proper shipping
name and are classified, packed, marked and labeled, and
are in all respects in proper condition for transport by Rail or
Highway or Water (DELETE NON-APPLICABLE MODE OF
TRANSPORT) according to applicable international and national
governmental regulations.

Signature _____

Subject to Section 7 of the conditions, if this shipment is to be delivered to the
consignee without recourse on the consignor, the consignor shall sign the
following statement:
The carrier shall not make delivery of this shipment without payment of
freight and all other lawful charges.

(Signature of Consignor)

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of
this Bill of Lading, the property described above in apparent good order except as noted (contents and
condition of contents of packages unknown, marked, consigned, and destined as indicated above
which said carrier (the word carrier being understood throughout this contract as meaning any person or
corporation in possession of the property under the contract) agrees to carry to its usual place of
delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said
destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion ofsaid route to destination and as to each party at any time interested in all or any said property, that every
service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the
governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the
governing classification and the said terms and conditions are hereby agreed to by the shipper and
accepted for himself and his assigns.CARRIER Bilco ChemPER John J. ...DATE 5/12/95

Sent post-office address of shipper.

PRINTED ON RECYCLED PAPER
USING SOYBEAN INKPRINTED WITH
SOY INK

STYLE F55 LABELMASTER, An American Labelmark Co., Chicago, IL 60646 800/621-5808

877400252

3

This Memorandum

is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper No. _____

Carrier No. 51095

Page 3 of 3

(Name of carrier)

(SCAC)

Date 5/2/95

Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1

TO:
Consignee Adapt Technology Inc.

Street 20300 9th Ave. S.W.

City Bothell State WA Zip Code 98021

FROM:

Shipper Western Chemical Company

Street 30300 1st Ave. S.W.

City Bothell State WA Zip Code 98021

24 hr. Emergency Contact Tel. No. _____

Route

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION Proper Shipping Name, Hazard Class, Identification Number (UN or NA), Packing Group, per 172.101, 172.202, 172.203	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CH/ (For US)
8	A	Acrylonitrile Butadiene Styrene	3200 lb.			
		5.0-1700 767				
1		5.0-1700 767	400 lb.			
1		5.0-1700 767	30			

PLACARDS TENDERED: YES ☐ NO ☒

REMIT
C.O.D. TO:
ADDRESS

COD

Am: \$

C.O.D. FEE:
PREPAID ☐
COLLECT ☐ \$

TOTAL CHARGES: \$

FREIGHT CHARGES
FREIGHT PREPAID ☐ Check box if a receipt when box is right is checked

Note — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

\$ _____ per _____

I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by ☒ Rail ☐ Highway ☐ Water (DELETE NON-APPLICABLE MODE OF TRANSPORT) according to applicable international and national governmental regulations.

Signature _____

(Signature of Consignor)

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of

said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

BY MR. [Signature]

PER W. G. [Signature]

CARRIER Western Chemical

PER [Signature]

DATE 5/2/95

Permanent post-office address of shipper.



PRINTED ON RECYCLED PAPER
USING SOYBEAN INK



STYLE F65 LABELMASTER, An American Labelmark Co., Chicago, IL 60646 800.

877490253



REPUBLIC
ENVIRONMENTAL
SYSTEMS

Page ____ of ____

LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: NAPP CHEMICALS INC Generator EPA ID Number: NJD001315282
PAE4138433
Manifest Number: _____

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Approval/Lab Code: AL38270 Waste Water: N Non Waste Water: Y UHC's: Y Class Group: A

Waste Codes: D001

Sub Categories:

HIGH TOC IGNITABLE CHARACTERISTIC LIQUIDS

Constituent(s):

NO UHC'S IN WASTE

See back for descriptions of classification groups and classification group certification statement.

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature: x Al Gaydarsli Title: x QC Date: 5-15-95

REPUBLIC ENVIRONMENTAL SYSTEMS

B/L Number <u>393395</u>		2337 NORTH PENN ROAD HATFIELD PA 19440	
DATE OF PICKUP <u>5-15-85</u>		EPA IDENTIFICATION CODE NO. <u>NJD001315282</u>	
GENERATOR <u>NAPP CHEMICALS INC</u>		ADDRESS <u>199 MAIN STREET</u>	
CITY <u>LODI</u>	STATE <u>NJ</u>	ZIP <u>07644</u>	PHONE <u>201 773-3</u>
CONTACT: <u>BOB LOEWENSTEIN</u>		BROKER:	

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit Wt./Vol.	Wa
	No.	Type			
a. <u>RQ WASTE ALCOHOLS, N.O.S., 3, UN1987, PG II (ISOPROPYL ALCOHOL)</u>	<u>001</u>	<u>TT</u>	<u>03539</u>	<u>G</u>	<u>DC</u>
b.					
c.					
d.					

Additional Information/Lab Code		Emergency Phone#	
a. <u>AL38270</u>	<u>S01</u>	c.	
b.		d.	

CONTRACT/PO NO. <u>H</u> NO. OF OVERPACKS USED _____ START TIME <u>5:30</u> ARRIVAL AT CUSTOMER <u>8:15</u> DEPARTED CUSTOMER <u>2:10</u> DELAY TIME <u>5:45 min</u>	SPECIAL INSTRUCTIONS / REASONS FOR DELAY <u>SUCKOUT SEVERAL TANKS</u> _____ _____ _____
---	---

GENERATOR CERTIFICATION:
 "I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations. I also certify that all names listed above are true and correct."
 Print Name X Al Gazdalski Signature X Al Gazdalski Date 5-15-85

TRACTOR # <u>54</u>	TRAILER# <u>1110</u>	BOX SPOTTED# <u>—</u>	BOX PICKED UP# <u>—</u>	LINER <u>—</u>
---------------------	----------------------	-----------------------	-------------------------	----------------

TRANSPORTER #1		PHONE NUMBER <u>215 822-8995</u>	
COMPANY <u>REPUBLIC ENV. SYS. (PA)</u>		EPA ID NO. <u>PAD085690592</u>	
PRINT NAME <u>STEPHEN STARS</u>	SIGNATURE <u>[Signature]</u>	DATE <u>5-15</u>	

TRANSPORTER #2		PHONE NUMBER <u>215 822-2676</u>	
COMPANY <u>REPUBLIC ENV SYS (TRANS GROUP)</u>		EPA ID NO. <u>PAD982661381</u>	
PRINT NAME _____	SIGNATURE _____	DATE _____	

TSDF ARRIVAL TIME _____ TSDF DEPARTURE TIME _____ DELAY TIME _____ FINISH TIME _____	REASON FOR DELAY _____ _____ _____
---	--

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. <u>PAD085690592</u>	
CONSIGNED TO <u>REPUBLIC ENV SYS (PA), INC.</u> ADDRESS <u>2869 SANDSTONE DRIVE</u>	
CITY <u>HATFIELD</u>	STATE <u>PA</u> ZIP <u>19440</u> PHONE <u>215 822-8995</u>
THIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL	
PRINT NAME _____	SIGNATURE _____ DATE _____

White - GENERATOR FILE
 Blue - TRANSPORTER FILE
 Green - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)
 Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE
 Goldenrod - TSD FACILITY COPY

FORM
(Rev.)

877490255

**REPUBLIC ENVIRONMENTAL
SYSTEMS OF PA., INC.**

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

DISPOSAL CODE: WCV LAB CODE: 215-24

SHIPPING NAME: Non Hazardous Waste Sol

HAZARD CLASS: DOT Non Regulated

E.P.A. WASTE

TYPE CODE: U/A UN/NA: N/A

MANIFEST NO.: AA-122-173-34 +

NUM NO.: 24 CONTAINER: 1711

PAGE _____ OF _____ DATE 5/1/85

[illegible]

**REPUBLIC ENVIRONMENTAL
SYSTEMS OF PA., INC.**

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

DISPOSAL CODE: ECC LAB CODE: LP 51P

SHIPPING NAME: RD, Waste Flammable L.g.

HAZARD CLASS: 3

E.P.A. WASTE 0112, 0044, 0237, 0154

TYPE CODE: 1001/0210 UN/NA: 1993 PG

PAGE 1 OF 1 DATE 5-15-9

[illegible]

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

GENERATOR: NAPP TECHNOLOGIES INC

199 MAIN ST
LODI, NJ 07644

1 ID NO.: NTD0013152F2

NIFEST NO.: PAE 1828573-A

UM NO.: 26 CONTAINER: 17H

DISPOSAL CODE: ECC LAB CODE: LP5184

D.O.T. PROPER

D.O.T. PROPER
SHIPPING NAME: RD. Waste Flammable L. p. 1
H.O.S

HAZARD CLASS:

E.P.A. WASTE 0022, F002

TYPE CODE: D001 UN/NA: 1993 PG II

PAGE 1 OF 1 DATE 5-15-95

[illegible]

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

DISPOSAL CODE: WCV LAB CODE: 655

SHIPPING NAME: NON H-10 ... W=51HAZARD CLASS: D.O.T. Non Regul

TYPE CODE: U 1A UN/NA: U 1A

PAGE _____ OF _____ DATE 1/1/

GENERATOR: U.S. T-1000-5-5

EPA ID NO.: VJ10-1317222

MANIFEST NO.: PA-1828573-3-6

DRUM NO.: 27 CONTAINER: 304 f.

[illegible]

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

DISPOSAL CODE: 100-252 LAB CODE: LP58

SHIPPING NAME: Nasle Oxidizing Subst
So

HAZARD CLASS: 5.1

TYPE CODE: 12001 UN/NA: 1479

PAGE 1 OF 1 DATE 5-15-58

199 MAIN ST

1001 NJ 07644

EPA ID NO.: NJD 001315282

MANIFEST NO.: PA-1828573-2-3

DRUM NO.: 29 CONTAINER: 1741

[illegible]

**REPUBLIC ENVIRONMENTAL
SYSTEMS OF PA., INC.**

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2678
Fax (215) 997-1315

EXPIRATION: Nadp Technologies Inc.
199 Main St.
Bedford, NJ 07004

PA ID NO.: NJD 3012-5282
ANIFEST NO.: PAF 1228-73-3-1
RUM NO.: 30 CONTAINER: 529.1

DISPOSAL CODE: PRA LAB CODE: LP5183

D.O.T. PROPER
SHIPPING NAME: Waste Hydrochloric Acid
Solut.

HAZARD CLASS: 8

E.P.A. WASTE
TYPE CODE: 2002 UNNA: 1789 2611

PAGE 1 OF 1 DATE 5/15/95

[illegible]

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 897-1315

DISPOSAL CODE: Inc. n (N) LAB CODE: LPS

SHIPPING NAME: Waste Ntrc Acid

HAZARD CLASS:

TYPE CODE: 1002 UN/NA: 2031 F

PAGE 1 OF 1 DATE 5/15/

199 Main St.

Lod: , NS 571.44

EPA ID NO.: NJD 001315282

MANIFEST NO.: PAE 1228573-2-9

DRUM NO.: 31 CONTAINER: 529.1

[illegible]

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

DISPOSAL CODE: 100-10 LAB CODE: 115.501

SHIPPING NAME: Waste Oil Burner

TYPE CODE: 0169 UN/NA: 1662 FCL

PAGE 1 OF 1 DATE 2-15-95

199 N.W. 57

Doc. NJ 07640

A ID NO.: NTDCC 215 782

MANIFEST NO.: PA 113-73-3-3

NUM NO.: 52 CONTAINER: 45-1

[illegible]

**REPUBLIC ENVIRONMENTAL
SYSTEMS OF PA., INC.**

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

DISPOSAL CODE: WCP LAB CODE: 195

D.O.T. PROPER
SHIPPING NAME: Non-Hazardous Waste

HAZARD CLASS: 2.0 - Very slightly

E.P.A. WASTE
TYPE CODE: W1A UN/NA: W1A

EPA ID NO.: NJ0001315282
MANIFEST NO.: PA-1022-73-3-5

DRUM NO.: 33 CONTAINER: ~~225~~ 509.1 PAGE 1 OF 1 DATE 5.15.9

[illegible]

**REPUBLIC ENVIRONMENTAL
SYSTEMS OF PA., INC.**

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

DISPOSAL CODE: 1C1(N) LAB CODE: 1P5184

D.O.T. PROPER

SHIPPING NAME: Waste Flammable Liquids

Corrosion
1.0.5

HAZARD CLASS:

E.P.A. WASTE

TYPE CODE: D001, D002 UNNA: 2924 PG7

PAGE 1 OF 1 DATE 5-15-95

GENERATOR: NAPP TECHNOLOGIES INC

199 NAW ST

LODI NJ 07644

1A ID NO.: NTD001315282

MANIFEST NO.: AA-1828573-2-1

NUM NO.: 34 CONTAINER: 302.f.

[illegible]

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

DISPOSAL CODE: 1201/V LAB CODE: LP5/F

SHIPPING NAME: Waste Formic Acid

HAZARD CLASS:

E.P.A. WASTE 0002

TYPE CODE: 0123 UNNA: 1779 PG

PAGE 1 OF 1 DATE 5-15-95

GENERATOR: NAPP TECHNOLOGIES INC

199 Main St

LODI NJ 07644

EPA ID NO.: NJD00131528Z

MANIFEST NO.: AA-1828573-2-8

DRUM NO.: 35 CONTAINER: 529.1

[illegible]

**REPUBLIC ENVIRONMENTAL
SYSTEMS OF PA., INC.**

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

ERATOR: Napp Technologies Inc.
199 Main St.
Laos, NJ 07644

A ID NO.: 0 NJD 86135282
 NIFEST NO.: PA-1823573-2-7
 UM NO.: 37 CONTAINER: 52a.11

DISPOSAL CODE: 516160 LAB CODE: LP5184

D.O.T. PROPER
SHIPPING NAME: RO. W. & C. CO. ALKAL. L.
n o.

HAZARD CLASS: 2

E.P.A. WASTE TYPE CODE: 0002 UNNA: 1719 PG II

PAGE 1 OF 1 DATE 5/5/95

[illegible]

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2678
Fax (215) 997-1315

DISPOSAL CODE: 140002 LAB CODE: LP5

SHIPPING NAME: Waste Sodium Perox

TYPE CODE: 0001 (UN) NA: 15041 P

PAGE 1 OF 1 DATE 5/15/1

199' Main St.

Lab: NJ 07644

EPA ID NO.: MSD 00315282

MANIFEST NO.: PA-1228573-2-2

DRUM NO.: 38 CONTAINER: 520:1

[illegible]

**REPUBLIC ENVIRONMENTAL
SYSTEMS OF PA., INC.**

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2678
Fax (215) 997-1315

199 Main St

1001 NJ 07644

A ID NO.: NTD001 315282

MANIFEST NO.: PAC 1828573 -2-4

NUM NO.: 39 CONTAINER: 5129.1

DISPOSAL CODE: 11C.0121 LAB CODE: LP 5184

D.O.T. PROPER
SHIPPING NAME: Waste Oxidizing Substances
Solid, n.o.

HAZARD CLASS: 5.1

E.P.A. WASTE
TYPE CODE: 2001, 2005 (UN) NA: 1179 PG II

PAGE 1 OF 1 DATE 5.15.95

[illegible]

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

DISPOSAL CODE: 100-201 LAB CODE: 625

SHIPPING NAME: White Potatoes Sold to:

HAZARD CLASS:

E.P.A. WASTE

TYPE CODE: 0165 UN/NA: 2211

PAGE _____ OF _____ DATE 7/1/77

GENERATOR: Navy Technology Inc.

179 Mo. 21.

Lead - V.I. 07644

EPA ID NO.: NA-507315282

MANIFEST NO.: PA-1222573-3-4

DRUM NO.: CONTAINER:

[illegible]

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2678
Fax (215) 997-1315

DISPOSAL CODE: 160014 LAB CODE: LP5184

SHIPPING NAME: Waste Earthwork

HAZARD CLASS: 3

E.P.A. WASTE

TYPE CODE: D001, V125 UN/NA: 1199 PG III

PAGE 1 OF 1 DATE 5/15/95

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2678
Fax (215) 997-1315

OPERATOR: Napp Technologies Inc.

199 Main St.

Lot: NJ 07644

A ID NO.: NJD 601315282

MANIFEST NO.: PAE/228573-C

NUM NO.: 41 CONTAINER: 5 p. 1

[illegible]

877490273

REPUBLIC ENVIRONMENTAL
SYSTEMS OF PA., INC.Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315DISPOSAL CODE: 11C.M.C.V. LAB CODE: LPS

D.O.T. PROPER

SHIPPING NAME: Waste Oxidizing SubstHAZARD CLASS: 5.1

E.P.A. WASTE

TYPE CODE: 0001UN/NA: 3139 PGENERATOR: Naps Technologies Inc.199 Main St.Lodi, NJ 07644

EPA ID NO.:

NJD 001315282

MANIFEST NO.:

PAE1822573-2-5

DRUM NO.:

U2 CONTAINER: Sng. 1

PAGE

OF

DATE

QUANTITY

DESCRIPTION OF MATERIAL

1gtPotassium Permanganate solution1/2gtLead Perchlorate solution2ozPotassium dichromate solutionTOTAL WEIGHT: 3#

**REPUBLIC ENVIRONMENTAL
SYSTEMS OF PA., INC.**

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

OPERATOR: Napp Technologies Inc.
199 Main St.
Cent. NJ 07064
A ID NO.: NJ 001315282
INIFEST NO.: DAF 1028573-2-6
SUM NO.: 43 CONTAINER: 522.1

DISPOSAL CODE: 112.11.11 LAB CODE: LP5124

D.O.T. PROPER
SHIPPING NAME: Waste Hydrogen Peroxide
aqueous: 26

HAZARD CLASS: 5.1

E.P.A. WASTE
TYPE CODE: 2001 (UN/NA: 2014 PG II)

PAGE 1 OF 1 DATE 5/15/95

[illegible]

**REPUBLIC ENVIRONMENTAL
SYSTEMS OF PA., INC.**

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2678
Fax (215) 997-1315

OPERATOR: Nippon Technologies Inc.
177 Main Street
Lab: NJ 07644
EPA ID NO.: NJD 00131282
MANIFEST NO.: PAE 1822573-D
DRUM NO.: 44 CONTAINER: Small

DISPOSAL CODE: T.K. LAB CODE: LPS

D.O.T. PROPER
SHIPPING NAME: White Flammable ()

HAZARD CLASS: 3

E.P.A. WASTE
TYPE CODE: 0001 UN/NA: 993

PAGE 1 OF 1 DATE 5/15/

[illegible]



PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P.O. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

Form approved.
OMB No. 2060-0020
Expires 9-30-94

R-WM-51 REV. 1/91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WJD 001 315 28212 8573		2. Page 1 of 3	Information in the shaded areas is not required by Federal law but is required by State law.
Generator's Name and Mailing Address Napp Technologies Inc. 199 Main Street Lodi, NJ 07644				A. State Manifest Document Number PAE 1828573	
4. Generator's Phone (201) 733-3900				B. State DOT ID Number PAE 1828573	
5. Transporter 1 Company Name Republic Env. Sys. (PA)		6. US EPA ID Number IPAD 08569 0592		C. State Trans ID Number PAE 1828573	
7. Transporter 2 Company Name Republic Env. Sys. (Trans Group)		8. US EPA ID Number IPAD 982661 381		D. Transporter Phone (215) 222-8715	
9. Designated Facility Name and Site Address Republic Environmental Systems (PA) 2869 Sandstone Drive Hatfield, PA 19440		10. US EPA ID Number IPAD 08569 0592		E. State Trans ID Number PAE 1828573	
				F. Facility Phone (215) 222-8715	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type	13. Total Quantity	14. Unit W/Vol	15. Waste No.
a. RQ, Waste Flammable Liquids, n.o.s., 3, UN1993 PG II (0001, F002, D022) (chloroform, isopropanol)		001 DM	00136	P	0001
b. RQ, Waste Flammable Liquids, n.o.s., 3, UN1993 PG II (0001, U044, U112, U154, U226, U239) (chloroform, Methanol)		001 DM	00150	P	0001
c. Waste Furfural, 3, UN1199 PG III (0001, U125)		001 DF	00001	P	0001
d. Waste Flammable Liquids, n.o.s., 3, UN1993 PG II (0001) (Chlorotrimethylsilane, methyl chloroform)		001 DF	00001	P	0001
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Waste Listed Above			
Lab Pack Physical State <input checked="" type="checkbox"/> L <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> T <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> C		Lab Pack Physical State <input checked="" type="checkbox"/> L <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> T <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> C			
Lab Pack Physical State <input checked="" type="checkbox"/> L <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> T <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> C		Lab Pack Physical State <input checked="" type="checkbox"/> L <input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> T <input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> C			
15. Special Handling Instructions and Additional Information 11a. #26 T-117 11b. #25 LP 5184 11c. #41 11d. #44 Emergency Phone (201) 733-3900					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Al Gazdalski		Signature <i>Al Gazdalski</i>		MONTH DAY YEAR 05/15/95	
17. Transporter 1 Acknowledgment of Receipt of Materials Printed/Typed Name Mark Ott		Signature <i>Mark Ott</i>		MONTH DAY YEAR 05/15/95	
18. Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name		Signature		MONTH DAY YEAR	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name		Signature		MONTH DAY YEAR	

EACH HAZARDOUS WASTE ASSIGNED
"RQ" VALUE TO NATIONAL RESPONSE
CENTER
800-424-8802

a. RQ =
b. RQ =
c. RQ =
d. RQ =

EPA HOTLINE = 800-424-9346
CDC POISON CENTER = 404-633-5313
DOT = 202-366-4488

Please print or type (Form designed for use on elite (12-pitch) typewriter)

Form Approved OMB No. 2050-0039 Expire

**UNIFORM HAZARDOUS
WASTE MANIFEST
(Continuation Sheet)**

21. Generator's US EPA ID No.

NJD001315282

Manifest
Document No.

28573

22. Page

3 of 3

Information in the shaded
areas is not required by F.
law

23. Generator's Name Nass Technologies Inc.
199 Main Street
Edison, NJ 07064
(201) 733-3900

L. State Manifest Document Number

PAE1828573

M. State Generator's ID

Same

24. Transporter 1 Company Name

25. US EPA ID Number

N. State Transporter's ID

O. Transporter's Phone

26. Transporter 1 Company Name

27. US EPA ID Number

P. State Transporter's ID

Q. Transporter's Phone

28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

29. Containers
No. Type

30.
Total
Quantity

31.
Unit
Wt./Vol

R.
Waste f

a. Waste Hydrochloric Acid, Solution, 8
UN1789, PG II (2002)

001 DF 00017 P D00

b. Waste Ammonia Solutions, 8, UN2672
PG II (2002)

001 DF 00024 P D00

c. Waste Nitrobenzene, 61, UN1662,
PG II (UN169)

001 DF 00008 P U16

d. Waste Poisonous Solution, 61
UN2811, PG I (2024, U165)
(as little as possible)

001 DF 00007 P U16

e. Non Hazardous Waste Liquid
DOT: Non Regulated (N/A)

001 DF 00012 P N1

f. Non Hazardous Waste Solid
DOT: Non Regulated (N/A)

001 DF 00045 P N1

g. Non Hazardous Waste Solid
DOT: Non Regulated (N/A)

001 DM00150 P N1

h.

i.

S. Additional Descriptions for Materials Listed Above

28a. L(c)

28d. S(H,T)

28b. L(c)

28c. L(T)

28e. L

28f. S

28g. S

T. Handling Codes for Wastes Listed A

All are S01

32. Special Handling Instructions and Additional Information

28a. #44

28d. #40

T-117
LP5184

28b. #28

28e. #33

Emergency Phone
(201) 733-3900

28c. #32

28f. #27

28g. #24

33. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date

Month Day

34. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date

Month Day

35. Discrepancy Indication Space

877490277

EACH HAZARDOUS WASTE ASSIGNED
"RQ" VALUE TO NATIONAL RESPONSE
CENTER

800-424-8802

a. RQ =
b. RQ =

c. RQ =
d. RQ =

EPA HOTLINE

CDC POISON CENTER

DOT

= 800-424-9346

= 404-633-5313

= 202-366-4488

Please print or type (Form designed for use on elite (12-pitch) typewriter)

Form Approved OMB No 2050-0039, Expires 9-30-94

**UNIFORM HAZARDOUS
WASTE MANIFEST**
(Continuation Sheet)

21 Generator's US EPA ID No.

NJ0001315282

Manifest
Document No

28573

22 Page

2 of 3

Information in the shaded
areas is not required by Federal
law.

23. Generator's Name

NAPP TECHNOLOGIES INC.

199 MAIN STREET

LODI NJ 07644

(201) 733-3900

L. State Manifest Document Number

PAE 1828573

M. State Generator's ID

SAME

24. Transporter Company Name

25. US EPA ID Number

N. State Transporter's ID

O. Transporter's Phone

26. Transporter Company Name

27. US EPA ID Number

P. State Transporter's ID

Q. Transporter's Phone

28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

29 Containers No.	Type	30. Total Quantity	31 Unit Wt./Vol	R. Waste No.
a. WASTE FLAMMABLE LIQUIDS, CORROSIVE N.O.S., 3, UN2924, P.G. II (D001 D002 F003) (ACETIC ACID, METHANOL)	001 DF	00062	P	D002* D001
b. WASTE SODIUM PEROXIDE, 5.1, UN1504, P.G. I (D001)	001 DF	00001	P	D001
c. WASTE OXIDIZING SUBSTANCES, SOLID, N.O.S., 5.1, UN1479, PG II (D001) (BISMUTH NITRATE, CALCIUM HYPOCHLORITE)	001 DM	00053	P	D001
d. WASTE OXIDIZING SUBSTANCES, SOLID, N.O.S., 5.1, UN1479, PG II (D001 D005) (ZINC PEROXIDE BARIUM PEROXIDE)	001 DF	00001	P	D005 D001
e. WASTE OXIDIZING SUBSTANCES, LIQUID, N.O.S., 5.1, UN3139, PG II (D001 D007 D008) (LEAD PERCHLORATE, POTASSIUM DICHROMATE)	001 DF	00003	P	D007* D001
f. WASTE HYDROGEN PEROXIDE, AQUEOUS SOLUTIONS, 5.1, UN2014, P.G. II (D001)	001 DF	00001	P	D001
g. WASTE CAUSTIC ALKALI LIQUIDS, N.O.S., 8, UN1719, PG II (D002 D009) (MERCURIC IODIDE, SODIUM HYDROXIDE)	001 DF	00002	P	D009 D002
h. WASTE FORMIC ACID, 8, UN1779, P.G. II (D002 U123)	001 DF	00001	P	U123 D002
i. WASTE NITRIC ACID, 8, UN2031, PG II (D002)	001 DF	00011	P	D002

S. Additional Descriptions for Materials Listed Above ALL ARE LAB PACKS

a. L/I, C, T/A F003

e. L/I, E/A D008

i. L/I

b. L/I

f. L/I

c. S/I

g. L/I, E

d. S/I, E

h. L/I, C, T

T. Handling Codes for Wastes Listed Above

ALL ARE SOL

32. Special Handling Instructions and Additional Information

28a. #34

28e. #42

28i. #31

28b. #38

28f. #43

28c. #29

28g. #37

28d. #39

28h. #35

T-117

EMERGENCY PHONE

LPSIB

(201) 733-3900

33. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date

Month Day Year

34. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date

Month Day Year

35. Discrepancy Indication Space

877490278

UNDERLYING HAZARDOUS CONSTITUENTS TABLE

Page 6

Lab Code: _____

Manifest No: PAE18285

For F001-F005, F039, D001, D002 & D012-D043 Waste Streams.

Please identify those constituents which are reasonably expected to be present in the waste referenced above.

Check if none of the Underlying Hazardous Constituents (UHCs) are present in this waste.

(✓)	Constituents	(✓)	Constituents	(✓)	Constituents	(✓)	Constituents
_____	Acetone	_____	Dibenz(a,h)pyrene	_____	Heptachlor epoxide	_____	Tetrachlorodibenzo-furans
_____	Acetylphthalene	_____	1,2-Dichloroethane (ethylene dichloride)	_____	Hexachlorobenzene	_____	Tetrachlorodibenzo-p-dioxins
_____	Acetylphenol	_____	Dibromomethane	_____	Hexachlorobenzene	_____	1,1,1,2-Tetrachloroethane
_____	Acetone	_____	2,4-Dichlorophenoxyacetic acid	_____	Hexachlorocyclopentadiene	_____	1,1,2,2-Tetrachloroethane
_____	Acetophenone	_____	Diphenylamine	_____	Hexachlorodibenzo-furans	_____	Tetrachloroethane (Tetrachloroethene)
_____	2-Acetylaminofluorene	_____	1,2-Diphenylhydrazine	_____	Hexachlorodibenzo-p-dioxins	_____	2,3,4,6-Tetrachlorophenol
_____	Acrylonitrile	_____	Diphenyl Nitrocarbamate	_____	Hexachloroethane	_____	Toluene
_____	Aldrin	_____	o,p-DDD	_____	Hexachloropropene	_____	1,2,4-Trichlorobenzene
_____	Aldrin	_____	p,p-DDD	_____	Indane(1,2,3-c,4)pyrene	_____	1,1,1-Trichloroethane
_____	Aniline	_____	o,p-DDE	_____	Iodocyclohexane	_____	1,1,2-Trichloroethylene
_____	4-Aminobiphenyl	_____	p,p-DDE	_____	Iodobenzene	_____	Trichloroethylene
_____	Atrazine	_____	o,p-DDT	_____	Iodocyclohexane	_____	2,4,5-Trichlorophenol
_____	Aroclor 1016	_____	p,p-DDT	_____	Iodobenzene	_____	2,4,6-Trichlorophenol
_____	Aroclor 1221	_____	Dibenz(a,h)anthracene	_____	Kerosene	_____	1,2,3-Trichloropropene
_____	Aroclor 1232	_____	o-Dichlorobenzene	_____	Methacrylonitrile	_____	1,1,2-Trichloro-1,2,2-trifluoroethane
_____	Aroclor 1242	_____	m-Dichlorobenzene	_____	Methacrylonitrile	_____	tris(2,3-Dibromopropyl) phosphate
_____	Aroclor 1248	_____	p-Dichlorobenzene	_____	Methanol	_____	Vinyl chloride
_____	Aroclor 1254	_____	Dichlorodifluoromethane	_____	Methoxychlor	_____	Xylene(s)
_____	Aroclor 1260	_____	1,1-Dichloroethane	_____	3-Methoxychlorobenzene	_____	INORGANIC CONSTITUENT
_____	alpha-BHC	_____	1,2-Dichloroethane	_____	4,4-Methylen bis (2-chloroaniline)	_____	Cyanide (Total)
_____	beta-BHC	_____	1,1-Dichloroethylene	_____	Methylene chloride	_____	Fluoride
_____	gamma-BHC	_____	trans-1,2-Dichloroethane (2-Dichloroethylene)	_____	Methyl ethyl ketone	_____	Sulfide
_____	Benzene	_____	2,4-Dichlorophenol	_____	Methyl isobutyl ketone	_____	Antimony
_____	Benz(a)anthracene	_____	2,6-Dichlorophenol	_____	Methyl methacrylate	_____	Arsenic
_____	Benz(b)fluoranthene	_____	1,2-Dichloropropene	_____	Methyl methacrylate	_____	Boron
_____	Benz(k)fluoranthene	_____	cis-1,3-Dichloropropene	_____	Methyl parathion	_____	Beryllium
_____	Benz(g,h,i)perylene	_____	trans-1,3-Dichloropropene	_____	Naphthalene	_____	Cadmium
_____	Benz(a)pyrene	_____	Dieldrin	_____	2-Naphthylamine	_____	Chromium (total)
_____	Bromodichloromethane	_____	Diethyl phthalate	_____	p-Nitroaniline	_____	Copper
_____	Bromofuran	_____	2,4-Dimethyl phenol	_____	Nitrobenzene	_____	Lead
_____	Bromomethane (methyl bromide)	_____	Dimethyl phthalate	_____	5-Nitro-o-toluidine	_____	Mercury
_____	4-Bromophenyl phenyl ether	_____	Di-n-butyl phthalate	_____	4-Nitrophenol	_____	Nickel
_____	n-Butyl alcohol	_____	1,4-Dinitrobenzene	_____	N-Nitrosodiphenylamine	_____	Selenium
_____	Butyl benzyl phthalate	_____	4,6-Dinitro-o-cresol	_____	N-Nitrosodiphenylamine	_____	Silver
_____	2-sec-Butyl-4,6-dinitrophenol	_____	2,4-Dinitrophenol	_____	N-Nitroso-N-methylamine	_____	Thallium
_____	Carbon disulfide	_____	2,4-Dinitroethane	_____	N-Nitrosomethylamine	_____	Vanadium
_____	Carbon tetrachloride	_____	2,6-Dinitroethane	_____	N-Nitrosomorpholine	_____	TOLUENE
_____	Chloroform	_____	Di-n-octyl phthalate	_____	N-Nitrosopiperidine	_____	
_____	p-Chloroaniline	_____	Di-n-propylphthalate	_____	N-Nitrosopyrrolidine	_____	
_____	Chlorobenzene	_____	Dieldrin	_____	Parathion	_____	
_____	Chlorobenzonitrile	_____	Endosulfan I	_____	Pentachlorobenzene	_____	
_____	Chlorodibromomethane	_____	Endosulfan II	_____	Pentachlorodibenzo-furans	_____	
_____	Chloroethane	_____	Endosulfan sulfate	_____	Pentachlorodibenzo-p-dioxins	_____	
_____	2-Chloro-1,3-butadiene	_____	Endrin	_____	Pentachloronitrobenzene	_____	
_____	tris-(2-chloroethoxy) methane	_____	Endrin aldehyde	_____	Pentachlorophenol	_____	
_____	tris-(2-chloroethyl) ether	_____	Ethyl acetate	_____	Phenacetin	_____	
_____	Chloroform	_____	Ethyl benzene	_____	Phenanthrene	_____	
_____	tris-(2-chloroisopropyl) ether	_____	Ethyl cyanide	_____	Phenol	_____	
_____	p-Chloro-m-cresol	_____	Ethyl ether	_____	Phenol	_____	
_____	Chloromethane (methyl chloride)	_____	tris-(2-ethylbutyl) phthalate	_____	Phthalic Anhydride	_____	
_____	2-Chloronaphthalene	_____	Ethyl methacrylate	_____	Formic acid	_____	
_____	2-Chlorophenol	_____	Ethylene oxide	_____	Pyrene	_____	
_____	3-Chloropropene (3-Chloropropylene)	_____	Famphur	_____	Pyridine	_____	
_____	Chrysene	_____	Fluoranthene	_____	Sulfide	_____	
_____	o-Cresol	_____	Fluorene	_____	Silver(2,3-TP)	_____	
_____	Cresol (m,p isomers)	_____	Fluorochloromethane	_____	2,4,5-T	_____	
_____	Cyclohexane	_____	Heptachlor	_____	1,2,4,5-Tetrachlorobenzene	_____	

877490279

UNDERLYING HAZARDOUS CONSTITUENTS TABLE

Page 4 of 6

Manifest No: PAE 1828573

Lab Code: _____

For F001-F005, F039, D001, D002 & D012-D043 Waste Streams

Please identify those constituents which are reasonably expected to be present in the waste referenced above.

Check if none of the Underlying Hazardous Constituents (UHCs) are present in this waste...

Constituents	(✓)	Constituents	(✓)	Constituents	(✓)	Constituents
Acetone		Dibenz(a,h)pyrene		Heptachlor epoxide		Tetrachlorodibenzo-furans
Acenaphthalene		1,2-Dichloroethane (ethylene dichloride)		Hexachlorobenzene		Tetrachlorodibenzo-p-dioxins
Acenaphthene		Dibromomethane		Hexachlorobutadiene		1,1,1,2-Tetrachloroethane
Acetaminide		2,4-Dichlorophenoxyacetic acid		Hexachlorocyclopentadiene		1,1,2,2-Tetrachloroethane
Acetophenone		Diphenylamine		Hexachlorodibenzo-furans		Tetrachloroethane (Tetrachloroethylene)
2-acetylaminofluorene		1,2-Diphenyl hydrazine		Hexachlorodibenzo-p-dioxins		2,3,4,6-Tetrachlorophenol
Acrylonitrile		Diphenyl Nitroamine		Hexachloroethane		Toluene
Aldrin		o,p-DDD		Hexachloropropene		1,2,4-Trichlorobenzene
Aldrin		p,p-DDD		Indene(1,2,3-c,6)pyrene		1,1,1-Trichloroethane
Aniline		o,p-DDB		Iodmethane		1,1,2-Trichloroethylene
4-Aminodiphenyl		p,p-DDB		Isobutanol		Trichloroethylene
Anthracene		o,p-DDT		Iodine		2,4,5-Trichlorophenol
Aroclor 1016		p,p-DDT		Isonitrile		2,4,6-Trichlorophenol
Aroclor 1221		Dibenz(a,h)anthracene		Kerosene		1,2,3-Trichloropropane
Aroclor 1232		o-Dichlorobenzene		Methacrylonitrile		1,1,2-Trichloro-1,2,2-trifluoroethane
Aroclor 1242		m-Dichlorobenzene		Methacrylamide		tri(2,3-Dibromopropyl) phosphate
Aroclor 1248		p-Dichlorobenzene		Methanol		Vinyl chloride
Aroclor 1254		Dichlorodifluoromethane		Methoxychlor		Xylene(s)
Aroclor 1260		1,1-Dichloroethane		3-Methoxychlorobenzene		INORGANIC CONSTITUENTS
alpha-BHC		1,2-Dichloroethane		4,4 Methylene bis (2-chloroaniline)		Cyanides (Total)
beta-BHC		1,1-Dichloroethylene		Methylene chloride		Fluoride
gamma-BHC		trans-1,2 Dichloroethane (2-Dichloroethylene)		Methyl ethyl ketone		Sulfide
Benzene		2,4-Dichlorophenol		Methyl isobutyl ketone		Antimony
Benz(a)anthracene		2,6-Dichlorophenol		Methyl methacrylate		Arsenic
Benz(b)fluoranthene		1,2-Dichloropropane		Methyl methacrylate		Boron
Benz(k)fluoranthene		cis-1,3 Dichloropropane		Methyl parathion		Beryllium
Benz(g,h,i)perylene		trans-1,3 Dichloropropane		Naphthalene		Cadmium
Benz(a)pyrene		Dieldrin		2-Naphthylamine		Chromium (total)
Bromodichloromethane		Diethyl phthalate		p-Nitroaniline		Copper
Bromodurene		2,4-Dimethyl phenol		Nitrobenzene		Lead
Bromomethane (methyl bromide)		Dimethyl phthalate		5-Nitro-o-cresol		Mercury
4-Bromophenyl phenyl ether		Di-n-butyl phthalate		4-Nitrophenol		Nickel
n-Butyl alcohol		1,4-Dioxabenzene		N-Nitrosodimethylamine		Selenium
Butyl butyl phthalate		4,6-Dioxo-o-areal		N-Nitrosodimethylamine		Silver
2-sec-Butyl-4,6-dinitrophenol		2,4-Dinitrophenol		N-Nitroso-N-methylamine		Thallium
Carbon disulfide		2,4-Dinitroethane		N-Nitrosomethylglycine		Vanadium
Carbon tetrachloride		2,6-Dinitroethane		N-Nitrosomorpholine		TOLUENE
Chlordane		Di-n-octyl phthalate		N-Nitrosopiperidine		
p-Chloroaniline		Di-n-propylphthalate		N-Nitrosopyrrolidine		
Chlorobenzene		Dioctyltin		Parathion		
Chlorobenzonitrile		Endosulfen I		Pentachlorobenzene		
Chlorodibromomethane		Endosulfen II		Pentachlorodibenzo-furans		
Chloroethane		Endosulfen sulfate		Pentachlorodibenzo-p-dioxins		
1-Chloro-1,3-butadiene		Endrin		Pentachlorocyclopentadiene		
bis-(2-chloroethoxy) methane		Endrin aldehyde		Pentachlorophenol		
bis-(2-chloroethyl) ether		EtOEt acetate		Phenacetin		
Chloroform		EtOEt butanoate		Phenanthrene		
tri(2-chloroisopropyl) ether		EtOEt cyanide		Phenol		
p-Chloro-m-areal		EtOEt ether		Phenol		
Chloromethane (methyl chloride)		bis-(2-ethoxyethyl) phthalate		Phthalic Anhydride		
2-Chloronaphthalene		EtOEt methacrylate		Formamide		
2-Chlorophenol		EtOEt oxide		Pyrene		
1-Chloropropane (1-Chloropropylene)		Fenphar		Pyridine		
Chrysene		Fluorenone		Sorbitol		
n-Cresol		Fluorene		Silver(2,4,5-TP)		
Cresol (m,p isomers)		Fluorotrichloromethane		2,4,5-T		
Cyclohexanone		Heptachlor		1,2,4,5-Tetrachlorobenzene		

877490280


**REPUBLIC
ENVIRONMENTAL
SYSTEMS**
LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

 Generator Name: Napp Technologies Inc.

 Generator EPA ID Number: NJD 001315282

 Manifest Number: DAE1828573

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004

Approval/Lab Code	Manifest Line # (e.g., 11(a), 11(b))	W W	N W W	List the EPA Waste Codes, Subcategories and/or Constituent(s) of Concern	UHCs* (Y or N)	Classification Group
	28b.		X	D001 Oxidizer	N	A
	28c.		X	D001 Oxidizer	N	A
	28d.		X	D001 Oxidizer, D005 Barium	N	A
	28e.		X	D001 Oxidizer, D007 Chromium, D008 Lead	N	A
	28f.		X	D001 Oxidizer	N	A
	28g.		X	D002 Corrosive pH 2-12, D009 Mercury	N	A
	28h.		X	U123 Formic acid, D002 Corrosive pH < 2	N	A
	28i.		X	D002 Corrosive pH < 2	N	A

W.W. - Wastewater

N.W.W. - Non-Wastewater

* The Underlying Hazardous Constituents (UHCs) must be identified for waste streams with the EPA Waste Codes F001-F005, F039, D001 (not treated by CMBST or RORGS), D002, D012-D043 (if treated in non-CWA, non-CWA equivalent or non-SDWA facilities). Please complete and attach an Underlying Hazardous Constituents Table sheet (photocopy as necessary) for each affected Approval/Lab Code.

Classification Groups

- Restricted wastes which require treatment.
- Restricted wastes already treated to meet LDR Treatment Standards.
- Restricted wastes treated with a Specified Technology.
- Restricted waste that meet LDR Treatment Standards without prior treatment.
- Restricted wastes subject to an Exemption or Variance.
- Hazardous debris subject to Alternative Treatment Standards in 40 CFR 268.45 (List Contaminants).
- Hazardous debris subject to Treatment Standards in 40 CFR 268.40.
- Lab Pack wastes subject to Alternative Treatment Standards under 40 CFR 268.42(c).
- Wastes already treated to remove hazardous characteristic(s) but require further treatment for underlying hazardous constituents (list constituents).

The following certification statements correspond to the Classification Groups as specified below:

Classification Group B:

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance level specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

Classification Group C:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group D:

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D of all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine or imprisonment."

Classification Group H:

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only waste which have not been excluded under appendix IV to 40 CFR part 268 or solid wastes not subject to regulation under 40 CFR part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group I:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature:

W. Gaydoski

Title:

QC

Date:

5/15/95


**REPUBLIC
ENVIRONMENTAL
SYSTEMS**
LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

 Generator Name: Nazz Technologies Inc. Generator EPA ID Number: NJD 001315282

 Manifest Number: PAE1828573

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Approval/Lab Code	Manifest Line # (e.g., 11(a), 11(b))	W W	N W	List the EPA Waste Codes, Subcategories and/or Constituent(s) of Concern	UHCs* (Y or N)	Classification Group
	289		X	2002 Corrosive pH < 2	N	A
	286		Y	2002 Corrosive pH > 12.5	N	A
	286		Y	U169 N-Hexane	N	A
	286		Y	U165 Naphthalene 2024	N	A

W.W. - Wastewater

N.W.W. - Non-Wastewater

* The Underlying Hazardous Constituents (UHCs) must be identified for waste streams with the EPA Waste Codes F001-F005, F039, D001 (not treated by CMBST or RORGS), D002, D012-D043 (if treated in non-CWA, non-CWA equivalent or non-SDWA facilities). Please complete and attach an Underlying Hazardous Constituents Table sheet (photocopy as necessary) for each affected Approval/Lab Code.

Classification Groups

- Restricted wastes which require treatment.
- Restricted wastes already treated to meet LDR Treatment Standards.
- Restricted wastes treated with a Specified Technology.
- Restricted waste that meet LDR Treatment Standards without prior treatment.
- Restricted wastes subject to an Exemption or Variance.
- Hazardous debris subject to Alternative Treatment Standards in 40 CFR 268.45 (List Contaminants).
- Hazardous debris subject to Treatment Standards in 40 CFR 268.40.
- Lab Pack wastes subject to Alternative Treatment Standards under 40 CFR 268.42(c).
- Wastes already treated to remove hazardous characteristic(s) but require further treatment for underlying hazardous constituents (list constituents).

The following certification statements correspond to the Classification Groups as specified below:

Classification Group B:

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

Classification Group C:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group D:

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D of all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

Classification Group H:

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes which have not been excluded under appendix IV to 40 CFR part 268 or solid wastes not subject to regulation under 40 CFR part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group I:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

 Signature: [Signature] Title: QC Date: 5/15/95

UNDERLYING HAZARDOUS CONSTITUENTS TABLE

Page 20

Code: _____

Manifest No: PAE 182857

For F001-F005, F039, D001, D002 & D012-D043 Waste Streams

Please identify those constituents which are reasonably expected to be present in the waste referenced above.

☐ Check if none of the Underlying Hazardous Constituents (UHCs) are present in this waste.

(√) Constituents	(√) Constituents	(√) Constituents	(√) Constituents
Acetone	Dibenz(a,h)pyrene	Heptachlor epoxide	Tetrachlorodibenz-furans
Acenaphthalene	1,2-Dibenzofuran (styrene dimer)	Hexachlorobenzene	Tetrachlorodibenz-p-dioxins
Acenaphthene	Dibenzofuran	Hexachlorobenzene	1,1,1,2-Tetrachlorodioxins
Acetamide	2,4-Dichlorophenoxyacetic acid	Hexachlorocyclopentadiene	1,1,2,2-Tetrachlorodioxins
Acetophenone	Diphenylamine	Hexachlorodibenz-furans	Tetrachlorodioxins (Tetrachlorodioxin)
2-acetylaminofluorene	1,2-Diphenylhydrazine	Hexachlorodibenz-p-dioxins	2,3,4,6-Tetrachlorophenol
Acyloxystyrene	Diphenyl Nitroamine	Hexachlorodioxane	Tempone
Aldrin	o,p-DDD	Hexachloropropene	1,2,4-Trichlorobenzene
Aldrin	p,p-DDD	Isodiol 1,2,3,4-Dipyrone	1,1,1-Trichloroethane
Ambax	o,p-DDD	Isodioxane	1,1,2-Trichloroethane
4-Aminobiphenyl	p,p-DDD	Isobutanol	Trichloroethylene
Anthrone	o,p-DDT	Isobutyl	2,4,5-Trichlorophenol
Aroclor 1016	p,p-DDT	Isobutyl	2,4,6-Trichlorophenol
Aroclor 1221	Dibenz(a,h)anthracene	Kerosene	1,2,3-Trichloropropane
Aroclor 1232	o-Dichlorobenzene	Methacrylonitrile	1,1,2-Trichloro-1,2,2-trifluoroethane
Aroclor 1242	m-Dichlorobenzene	Methylpyrimidine	tri(2,3-Dichloropropyl) phosphate
Aroclor 1248	p-Dichlorobenzene	Methanol	Vinyl chloride
Aroclor 1254	Dichlorodibenzofuran	Methoxychlor	Xylene(s)
Aroclor 1260	1,1-Dichloroethane	1-Methylcyclohexene	INORGANIC CONSTITUENT
alpha-BHC	1,2-Dichloroethane	4,4-Methylene bis (2-chloroaniline)	Cyanides (Total)
beta-BHC	1,1-Dichloroethylene	Methylene chloride	Fluoride
gamma-BHC	trans-1,2-Dichloroethane (2-Dichloroethylene)	Methyl ethyl ketone	Sulfide
Benzene	2,4-Dichlorophenol	Methyl isobutyl ketone	Antimony
Benzene (a)anthracene	2,6-Dichlorophenol	Methyl methacrylate	Asbestos
Benzene (b)fluorene	1,2-Dichloropropane	Methyl methacrylate	Bismuth
Benzene (c)fluorene	cis-1,3-Dichloropropane	Methyl parathion	Beryllium
Benzene (d)pyrene	trans-1,3-Dichloropropane	Naphthalene	Cadmium
Benzene (e)pyrene	Dieldrin	2-Naphthylamine	Chromium (total)
Bromochloromethane	Diethyl phthalate	p-Nitroaniline	Copper
Bromodichloromethane	2,4-Dimethyl phenol	Nitrobenzene	Lead
Bromodioxane	Dimethyl phthalate	5-Nitro-o-cresol	Manganese
Bromomethane (methyl bromide)	Di-n-butyl phthalate	4-Nitrophenol	Nickel
4-Bromophenyl phenyl ether	1,4-Dinitrobenzene	N-Nitrosodimethylamine	Selenium
n-Butyl alcohol	4,6-Dinitro-o-cresol	N-Nitrosodimethylamine	Silver
Butyl butyl phthalate	2,4-Dinitrophenol	N-Nitroso-d-o-butylamine	Thallium
2-sec-Butyl-4,6-dinitrophenol	2,4-Dinitrobenzene	N-Nitrosodimethylamine	Vanadium
Carbon disulfide	2,6-Dinitrobenzene	N-Nitrosomorpholine	TOLUENE
Carbon tetrachloride	Di-n-octyl phthalate	N-Nitrosopiperidine	
Chloraldehyde	Di-n-propylphthalate	N-Nitrosopyrrolidine	
Chloraldehyde	Dimethyl	Parathion	
Chlorobenzene	Endosulfan I	Pentachlorobenzene	
Chlorobenzene	Endosulfan II	Pentachlorodibenz-furans	
Chlorobenzene	Endosulfan sulfate	Pentachlorodibenz-p-dioxins	
2-Chloro-1,3-benzenediol	Endrin	Pentachlorodibenzofuran	
Is-(2-chloroethoxy) methane	Endrin aldehyde	Pentachlorophenol	
Is-(2-chloroethyl) ether	Edyl acetate	Phenacetin	
Chloroform	Edyl butyrate	Phenanthrene	
Is-(2-chloropropyl) ether	Edyl cyanide	Phenol	
p-Chloro-m-cresol	Edyl ether	Phenol	
Chloromethane (methyl chloride)	Is-(2-ethylbutyl) phthalate	Phthalic Anhydride	
2-Chloronaphthalene	Edyl methacrylate	Phthalic	
2-Chlorophenol	Edylate ends	Pyrene	
1-Chloropropane (1-Chloropropylene)	Fenoplar	Pyridine	
Crysotile	Fluorene	Sulfide	
o-Cresol	Fluorene	Silver (2,4,5-TP)	
Cresol (m,p isomers)	Fluorochloromethane	2,4,5-T	
Cyclohexane	Heptachlor	1,2,4,5-Tetrachlorobenzene	

877490283



REPUBLIC
ENVIRONMENTAL
SYSTEMS

LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: Nano Technologies Inc.

Generator EPA ID Number: NJD 00135282

Manifest Number: PAE 1828573

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Approval/Lab Code	Manifest Line # (e.g., 11(a), 11(b))	W W	N W W	List the EPA Waste Codes, Subcategories and/or Constituent(s) of Concern	UHCs* (Y or N)	Classification Group
	11a.		X	D001 High TOC Ignitable Liquids	Y	A
	11a.		X	F003 Solvents, 0022 Chloroform	Y	A
	11b.		X	D001 High TOC Ignitable Liquids, 0044 Chloroform	N	A
	11b.		X	U112 Ethyl Acetate, U154 Methanol, U220 Toluene, U239 Xylene	N	A
	11c.		X	D001 High TOC Ignitable Liquids, U125 Fuel Oil	N	A
	11d.		X	D001 High TOC Ignitable Liquids	N	A
	28a.		X	D001 High TOC Ignitable Liquids, D002 Corrosive pH < 2	N	A
	28a.		Y	F003 Solvents	Y	A

W.W. - Wastewater

N.W.W. - Non-Wastewater

* The Underlying Hazardous Constituents (UHCs) must be identified for waste streams with the EPA Waste Codes F001-F005, F039, D001 (not treated by CMBST or RORGS), D002, D012-D043 (if treated in non-CWA, non-CWA equivalent or non-SDWA facilities). Please complete and attach an Underlying Hazardous Constituents Table sheet (photocopy as necessary) for each affected Approval/Lab Code.

Classification Groups

- Restricted wastes which require treatment.
- Restricted wastes already treated to meet LDR Treatment Standards.
- Restricted wastes treated with a Specified Technology.
- Restricted waste that meet LDR Treatment Standards without prior treatment.
- Restricted wastes subject to an Exemption or Variance.
- Hazardous debris subject to Alternative Treatment Standards in 40 CFR 268.45 (List Contaminants).
- Hazardous debris subject to Treatment Standards in 40 CFR 268.40.
- Lab Pack wastes subject to Alternative Treatment Standards under 40 CFR 268.42(c).
- Wastes already treated to remove hazardous characteristic(s) but require further treatment for underlying hazardous constituents (list constituents).

The following certification statements correspond to the Classification Groups as specified below:

Classification Group B:

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

Classification Group C:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group D:

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D of all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

Classification Group H:

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes which have not been excluded under appendix IV to 40 CFR part 268 or solid wastes not subject to regulation under 40 CFR part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group I:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature: W. Gajdarski

Title: QC

Date: 5/15/95



PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P.O. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

ER-WM-51 REV. 10/94

Form approved
OMB No. 20
Expires 9-30

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest
Document No.

2. Page 1
of

Information within the blue border is
required by Federal law but may be
required by State law.

Generator's Name and Mailing Address

NAPP CHEMICALS INC

199 MAIN STREET P O BOX 900
LODI NJ 07644

201 773-3900

A. State Manifest Document Number

PAE 4138444

B. State Gen. ID

SAME

5. Transporter 1 Company Name

6. US EPA ID Number

REPUBLIC ENV. SYS. (PA)

PAD085690592

7. Transporter 2 Company Name

8. US EPA ID Number

REPUBLIC ENV. SYS. (TRANS GROUP)

PAD982661381

9. Designated Facility Name and Site Address

10. US EPA ID Number

REPUBLIC ENV SYS (PA), INC.
2869 SANDSTONE DRIVE
HATFIELD PA 19440

PAD085690592

C. State Trans. ID

PA-AH

D. Transporter's Phone (

506-209

E. State Trans. ID

PA-AH

F. Transporter's Phone (

0317

G. State Facility's ID

215-822-26

H. Facility's Phone (

215-822-8995

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

No.

Type

13. Total
Quantity

14. Unit
Wt/Vol

Waste

a. RQ WASTE ALDEHYDES, N.O.S., 3, UN1989, PG II,
(CINNAMIC ALDEHYDE), (D001)

XX1

DM

XXX35

G

D0

b. RQ WASTE POTASSIUM HYDROXIDE, SOLUTION, 8, UN1814, PG II,
(D002)

XX1

DF

XXX30

G

D0

c. RQ WASTE SODIUM HYDROXIDE, SOLUTION, 8, UN1824, PG II,
(D002)

XX2

DF

XXX60

G

D0

d. RQ WASTE FLAMMABLE LIQUID N.O.S. 3, UN1993 RQ III
(DIETHYLAMINE 0-99%
TRIETHYLAMINE 0-99%) (D001)

XX1

DM

XXX30

G

D0

Additional Descriptions for Materials Listed Above

Lab Pack

Physical State

Lab Pack

Physical State

a. ☐

☐

ED38272

c. ☐

☐

WD38274

a. S01

c. S01

b. ☐

☐

WD38273

d. ☐

☐

FD38180

b. S01

d. S01

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE

201773.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be soon practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is to me and that I can afford.

Printed/Typed Name

Signature

MONTH DAY

Al GAZDalski

Al GAZDalski

IX 5/15

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

MONTH DAY

Dean Moyer

Dean Moyer

IX 5/15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

MONTH DAY

19. Discrepancy Indication Space

20. Facility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

Signature

MONTH DAY



PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P.O. Box 8850
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

Form approved.
OMB No. 2050-0039
Expires 9-30-96

WM-51 REV. 10/94

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest
Document No.

2. Page 1
of 1

Information within the blue border is not
required by Federal law but may be
required by State law.

Generator's Name and Mailing Address

NAPP CHEMICALS INC

199 MAIN STREET P O BOX 900
LODI NJ 07644

201 773-3900

5. Transporter 1 Company Name

6. US EPA ID Number

REPUBLIC ENV SYS (PA)

PAD085690592

7. Transporter 2 Company Name

8. US EPA ID Number

REPUBLIC ENV SYS (TRANS GROUP)

PAD082661381

9. Designated Facility Name and Site Address

10. US EPA ID Number

REPUBLIC ENV SYS (PA), INC.
2869 SANDSTONE DRIVE
HATEFIELD PA 19440

PAD085690592

A. State Manifest Document Number

PAE 4138444

B. State Gen. ID

SAME

C. State Trans. ID

PA-AH

506209

D. Transporter's Phone (

215 822-8995

E. State Trans. ID

PA-AH

0317

F. Transporter's Phone (

215 822-2676

G. State Facility's ID

H. Facility's Phone (

215 822-8995

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

15. Waste No.

a. RQ WASTE ALDEHYDES, N.O.S., 3, UN1989, PG II,
(CINNAMIC ALDEHYDE), (D001)

XX1

DM

XXX35

G

D001

b. RQ WASTE POTASSIUM HYDROXIDE, SOLUTION, 8, UN1814, PG II,
(D002)

XX1

DF

XXX30

G

D002

c. RQ WASTE SODIUM HYDROXIDE, SOLUTION, 8, UN1824, PG II,
(D002)

XX2

OF

XXX60

G

D002

d. RQ WASTE FLAMMABLE LIQUID N.O.S. 3, UN1993 PG II
(DIETHYLAMINE 0-99%
TRIETHYLAMINE 0-99%)
(D001)

XX1

DM

XXX30

G

D001

Additional Descriptions for Materials Listed Above

Lab Pack

Physical State

Lab Pack

Physical State

a. ☐

☐

FD38272

c. ☐

☐

WD38274

b. ☐

☐

WD38273

d. ☐

☐

FD38180

K. Handling Codes for Wastes Listed Above

a. S01

c. S01

b. S01

d. S01

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE 201773-3900

16. GENERATOR'S CERTIFICATION:

I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Al GAZDalski

Signature

Al GAZDalski

MONTH DAY YEAR

X 5 11 5 19 95

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Dean Moyer

Signature

Dean Moyer

MONTH DAY YEAR

X 5 11 5 19 95

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

MONTH DAY YEAR

19. Discrepancy Indication Space

20. Facility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

Signature

MONTH DAY YEAR





PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management

P.O. Box 8550
Harrisburg, PA 17105-8550

OFFICIAL PENNSYLVANIA MANIFEST FORM

EP-WM-51 REV. 10/94

Form approved by
OMB No. 2010-0001
Expires 9-30-00

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

Document No.
38444

2. Page 1 of 1
Information within the blue border is required by Federal law but may be required by State law.

Generator's Name and Mailing Address

1009 MAIN STREET P O BOX 500
LEWIS PA 17044

A. State Manifest Document Number
PAE 4138444

701 773-7040

B. State Gen. ID
SAME

5. Transporter 1 Company Name

6. US EPA ID Number

REPUBLIC ENV. SYS. (PA)

PA 00085690502

C. State Trans. ID
PA-AH 506200

7. Transporter 2 Company Name

8. US EPA ID Number

REPUBLIC ENV. SYS. (TRANS. GROUP) PA 00082661381

D. Transporter's Phone () 215-822-0000

9. Designated Facility Name and Site Address

10. US EPA ID Number

REPUBLIC ENV. SYS. (PA), INC.
2869 SAKISTONE DRIVE
HARRISBURG PA 17140

PA 00085690502

F. Transporter's Phone () 215-822-0000

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

13. Total Quantity

14. Unit Waste

a. NO WASTE PLANNED. H.O.S. 3, UN1993 (PG 11).
CLIMATE CHANGE (10001)

XX1

XX1

XX1

b. NO WASTE PROPOSITION INFORMATION. 3, UN1993 (PG 11).
(10002)

XX1

XX1

XX1

c. NO WASTE PROPOSITION INFORMATION. 3, UN1993 (PG 11).
(10003)

XX1

XX1

XX1

d. NO WASTE PROPOSITION INFORMATION. 3, UN1993 (PG 11).
(10004)

XX1

XX1

Additional Descriptions for Materials Listed Above

Lab Pack

Physical State

a. ☐ LIQUID

c. ☐ SOLID

e. ☐ SOLID

b. ☐ LIQUID

d. ☐ SOLID

f. ☐ SOLID

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE 261773

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this manifest are true and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. Or, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Signature

MONTH DAY

17. Transporter 1 Acknowledgment of Receipt of Materials

Signature

MONTH DAY

Printed/Typed Name

Signature

MONTH DAY

18. Transporter 2 Acknowledgment of Receipt of Materials

Signature

MONTH DAY

Printed/Typed Name

Signature

MONTH DAY

19. Discrepancy Indication Space

20. Facility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 15.

Printed/Typed Name

Signature

MONTH DAY

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LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: NAPP CHEMICALS INC
PAE4138444

Generator EPA ID Number: NJD001315282

Manifest Number: _____

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Approval/Lab Code: ED38272 Waste Water: N Non Waste Water: Y UHC's: Y Class Group: A

Waste Codes: D001

Sub Categories:

HIGH TOX IGNITABLE CHARACTERISTIC LIQUIDS

Constituent(s):

NO UHC'S IN WASTE

Approval/Lab Code: WD38273 Waste Water: N Non Waste Water: Y UHC's: Y Class Group: A

Waste Codes: D002

Sub Categories:

CORROSIVE CHARACTERISTIC WASTES, CWA, CWA-EQUIVALENT, OR CLASS I SDWA SYSTEMS

Constituent(s):

NO UHC'S IN WASTE

See back for descriptions of classification groups and classification group certification statement.

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature: _____

Title: _____

Date: 5-15-95



LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: NAPP CHEMICALS INC Generator EPA ID Number: NJD001315282
PAE4138444
Manifest Number: _____

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

IC Approval/Lab Code: WD38274 Waste Water: N Non Waste Water: Y UHC's: Y Class Group: A

Waste Codes: D002

Sub Categories:

CORROSIVE CHARACTERISTIC WASTES, CWA, CWA-EQUIVALENT, OR CLASS I SDWA SYSTEMS

Constituent(s):

NO UHC'S IN WASTE

IC Approval/Lab Code ED 38180
Waste Code: D001 non waste water UHC Y CLASS
SUB CATEGORY IQUITABLE LIQUID HIGH TOC'S
DIETHYLAMINE 0-99%
TRIETHYLAMINE 0-99%

See back for descriptions of classification groups and classification group certification statement.

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature: _____ Title: _____ Date: 5-15-95



Bureau of Waste Management
P.O. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

Form approved.
OMB No. 2050-0039
Expires 9-30-96

3-WM-51 REV. 10/94

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NJ D001315282		Manifest Document No. 138330		2. Page 1 of 1		Information within the blue border is not required by Federal law but may be required by State law.					
3. Generator's Name and Mailing Address NAPP CHEMICALS INC 199 MAIN STREET P O BOX 900 LODI NJ 07644 201 773-3900						A. State Manifest Document Number PAE 4138330							
5. Transporter 1 Company Name REPUBLIC ENV. SYS. (PA)						6. US EPA ID Number PAD085690592							
7. Transporter 2 Company Name REPUBLIC ENV. SYS. (TRANS GROUP)						8. US EPA ID Number PAD982661381							
9. Designated Facility Name and Site Address REPUBLIC ENV. SYS. (PA), INC. 2869 SANDSTONE DRIVE HATFIELD PA 19440						10. US EPA ID Number PAD085690592							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit WU/Vol		15. Waste No.	
a. RQ WASTE CORROSIVE LIQUIDS, N.O.S., 8, UN1760, PG II, (NITRIC ACID), (D002)						XXX F		XXXXXX		P		D002	
b. RQ WASTE SODIUM HYDROSULFITE, 4.2, UN1384, PG II, (D003)						XXX DM		XXXXXX		P		D003	
c. RQ WASTE CAUSTIC ALKALI LIQUID, N.O.S., 8, UN1719, PG III, (SODIUM HYDROXIDE), (D002)						XX2 OF		XX110		G		D002	
d. NON DOT/RCRA HAZ LIQUID, NOT DOT REGULATED						XX8 OF		XX120		G		N/A	
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above							
Lab Pack		Physical State		Lab Pack		Physical State		a. S01		c. S01			
a. <input type="checkbox"/>		AD38226		c. <input type="checkbox"/>		WD38236		b. S01		d. S01			
b. <input type="checkbox"/>		AD38232		d. <input type="checkbox"/>		WD38179							
15. Special Handling Instructions and Additional Information													
EMERGENCY PHONE 201 773-3900													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Al GAZDalski						Signature <i>Al GAZDalski</i>			MONTH DAY YEAR IX 51 5195				
17. Transporter 1 Acknowledgement of Receipt of Materials						Signature <i>Dean moyer</i>			MONTH DAY YEAR IX 51 5195				
Printed/Typed Name Dean moyer						Signature			MONTH DAY YEAR				
18. Transporter 2 Acknowledgement of Receipt of Materials						Signature			MONTH DAY YEAR				
Printed/Typed Name						Signature			MONTH DAY YEAR				
19. Discrepancy Indication Space													
20. Facility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 18.													
Printed/Typed Name						Signature			MONTH DAY YEAR				



PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P.O. Box 550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

ER-WM-51 REV. 10/94

Form appn
OMB No. 2
Expires 9-

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest
Document No.

2. Page 1
of 1

Information within the blue border
required by Federal law but may be
required by State law.

NJD001315282

34330

A. State Manifest Document Number
PAE 4138330

B. State Gen. ID
SAME

C. State Trans. ID
PA-AH 506201

D. Transporter's Phone (215 822-81

E. State Trans. ID
PA-AH 0317

F. Transporter's Phone (215 822-21

G. State Facility's ID

H. Facility's Phone (215 822-8995

1. Generator's Name and Mailing Address

NAPP CHEMICALS INC

199 MAIN STREET P O BOX 900
LODI NJ 07644

201 773-3900

5. Transporter 1 Company Name

6. US EPA ID Number

REPUBLIC ENV. SYS. (PA)

PAD085690592

7. Transporter 2 Company Name

8. US EPA ID Number

REPUBLIC ENV SYS (TRANS GROUP)

PAD982661381

9. Designated Facility Name and Site Address

10. US EPA ID Number

REPUBLIC ENV SYS (PA), INC.
2869 SANDSTONE DRIVE
HATFIELD PA 19440

PAD085690592

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

13. Total
Quantity

14. Unit
Wt/Vol

15. Waste

a. RQ WASTE CORROSIVE LIQUIDS, N.O.S., 8, UN1760, PG II,
(NITRIC ACID), (D002)

XXX

DM

XXXXXX

P

DD

b. RQ WASTE SODIUM HYDROSULFITE, 4.2, UN1384, PG II, (D003)

XXX

DM

XXXXXX

P

DD

c. RQ WASTE CAUSTIC ALKALI LIQUID, N.O.S., 8, UN1719,
PG III, (SODIUM HYDROXIDE), (D002)

XY2

OF

XX110

G

DD

d. NON DOT/RCRA HAZ LIQUID, NOT DOT REGULATED

XX8

OF

XX120

G

N

1. Additional Descriptions for Materials Listed Above

Lab Pack

Physical State

Lab Pack

Physical State

a. ☐ AD38226

c. ☐ WD38236

a. S01

b. ☐ AD38232

d. ☐ WD38179

b. S01

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE 201 773-3

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulation. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is to me and that I can afford.

Printed/Typed Name
AL GAZDASKI

Signature
AL GAZDASKI

MONTH DAY
X 5 1 5

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name
Dean Moyer

Signature
Dean Moyer

MONTH DAY
X 5 1 5

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

MONTH DAY

19. Discrepancy Indication Space

1. Facility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

MONTH DAY

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343



OFFICIAL PENNSYLVANIA MANIFEST FORM

Form approved
OMB No. 2050-0039
Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NJ 0001315282		Manifest Document No. 35750		2. Page 1 of 1		Information within the blue border is not required by Federal law but may be required by State law.					
Generator's Name and Mailing Address 199 MAIN STREET P O BOX 5900 LEONI NJ 07644 201 773-3900				NAME CHEMICALS INC.		A. State Manifest Document Number PAE 4138330							
						B. State Gen. ID SAME							
5. Transporter 1 Company Name REPUBLIC ENV. SYS. (PA)				6. US EPA ID Number PA0085690592		C. State Trans. ID PA-AH 506209							
7. Transporter 2 Company Name REPUBLIC ENV. SYS. (TRANS. GROUP)				8. US EPA ID Number PA0982661381		D. Transporter's Phone (215 822 8995							
9. Designated Facility Name and Site Address REPUBLIC ENV. SYS. (PA), INC. 2869 SANDSTONE DRIVE HATFIELD PA 19440				10. US EPA ID Number PA0085690592		E. State Trans. ID PA-AH 0317							
						F. Transporter's Phone (215 822 2670							
						G. State Facility's ID							
						H. Facility's Phone (215 822-8995							
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. PO WASTE COMBUSTIVE LIQUIDS, N.O.S., (UN1260, PG. II), (NITRIC ACID), (H002)						XXX DM		XXXXXX		F		D002	
b. PO WASTE SOLID INHIBITORY LIQ. (UN1384, PG. II), (H003)						XXX DM		XXXXXX		F		D003	
c. PO WASTE CORROSIVE SOLID LIQUID, N.O.S., (UN1719, PG. III), (SODIUM HYPOCHLORITE), (H002)						XY2 OF DM		XX110		G		D002	
d. PO WASTE SOLID INHIBITORY LIQ. (UN1384, PG. II), (H003)						XX3 OF DM		XX120		G		H003	
Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above							
Lab Pack		Physical State		Lab Pack		Physical State		a. S01		c. S01			
a. []		[]		c. []		[]		b. S01		d. S01			
b. []		[]		d. []		[]							
15. Special Handling Instructions and Additional Information EMERGENCY PHONE 201 773-3900													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, If I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name H. J. H. H. H. H.						Signature H. J. H. H. H. H.						MONTH DAY YEAR X 5/15/95	
17. Transporter 1 Acknowledgment of Receipt of Materials						Signature Dean Moyer						MONTH DAY YEAR X 5/15/95	
Printed/Typed Name Dean Moyer						Signature Dean Moyer						MONTH DAY YEAR X 5/15/95	
18. Transporter 2 Acknowledgment of Receipt of Materials						Signature						MONTH DAY YEAR	
Printed/Typed Name						Signature						MONTH DAY YEAR	
19. Discrepancy Indication Space													
Facility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 18.													
Printed/Typed Name						Signature						MONTH DAY YEAR	



REPUBLIC
ENVIRONMENTAL
SYSTEMS

Page 1 of 2

LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: NAPP CHEMICALS INC Generator EPA ID Number: NJD001315282
Manifest Number: PAE4138330

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(c).

11a Approval/Lab Code: AD38226 Waste Water: N Non Waste Water: Y UHC's: Y Class Group: A

Waste Codes: D002

Sub Categories:

CORROSIVE CHARACTERISTIC WASTES, CWA, CWA-EQUIVALENT, OR CLASS I SDWA SYSTEMS

Constituent(s):

NO UHC'S IN WASTE

11b Approval/Lab Code: AD38232 Waste Water: N Non Waste Water: Y UHC's: Y Class Group: A

Waste Codes: D003

Sub Categories:

WATER REACTIVE SUBCATEGORY BASED ON 261.23(a)(2), (3), and (4)

Constituent(s):

NO UHC'S IN WASTE

See back for descriptions of classification groups and classification group certification statement.

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature: W. Kaydalesi

Title: QC

Date: 5-15-95



LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: NAPP CHEMICALS INC Generator EPA ID Number: NJD001315282
Manifest Number: PAE4138330

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Approval/Lab Code: WD38236 Waste Water: N Non Waste Water: Y UHC's: Y Class Group: A

Waste Codes: D002

Sub Categories:

CORROSIVE CHARACTERISTIC WASTES, CWA, CWA-EQUIVALENT, OR CLASS I SDWA SYSTEMS

Constituent(s):

NO UHC'S IN WASTE

See back for descriptions of classification groups and classification group certification statement.

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature: [Signature] Title: QC Date: 5-15-95



**REPUBLIC
ENVIRONMENTAL
SYSTEMS**

LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Page 1 of

Generator Name: NAPP CHEMICALS INC

Generator EPA ID Number: AJ0001315282

Manifest Number: PAF.0582352

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d)

Approval/Lab Code	Manifest Line # (e.g., 11(a), 11(b))	W W	N W W	List the EPA Waste Codes, Subcategories and/or Constituent(s) of Concern	UHCs* (Y or N)	Classification Group
61238180	A		<input checked="" type="checkbox"/>	IGNITABLE LIQUID 17.011 TCC	Y	D001
				DICHTYLAMINE 0.99%		
				TRICHTYLAMINE 0.99%		

W.W. - Wastewater

N.W.W. - Non-Wastewater

* The Underlying Hazardous Constituents (UHCs) must be identified for waste streams with the EPA Waste Codes F001-F005, F039, D001 (not treated by CMBST or RORGS), D002, D012-D043 (if treated in non-CWA, non-CWA equivalent or non-SDWA facilities). Please complete and attach an Underlying Hazardous Constituents Table sheet (photocopy as necessary) for each affected Approval/Lab Code.

Classification Groups

- A. Restricted wastes which require treatment.
- B. Restricted wastes already treated to meet LDR Treatment Standards.
- C. Restricted wastes treated with a Specified Technology.
- D. Restricted wastes that meet LDR Treatment Standards without prior treatment.
- E. Restricted wastes subject to an Exemption or Variance.
- F. Hazardous debris subject to Alternative Treatment Standards in 40 CFR 268.45 (List Contaminants).
- G. Hazardous debris subject to Treatment Standards in 40 CFR 268.40.
- H. Lab Pack wastes subject to Alternative Treatment Standards under 40 CFR 268.42(c).
- I. Wastes already treated to remove hazardous characteristic(s) but require further treatment for underlying hazardous constituents (list constituents).

The following certification statements correspond to the Classification Groups as specified below:

Classification Group B:

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance level specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

Classification Group C:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group D:

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D of all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

Classification Group E:

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only waste which have not been excluded under appendix IV to 40 CFR part 268 or solid wastes not subject to regulation under 40 CFR part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group I:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature: W. Gaydosaki Title: QC

Date: 5-15-95



Bureau of Waste Management
P. O. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

Form approved.
OMB No. 2050-0039
Expires 9-30-94

1-WM-51 REV. 1/91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address NAPP CHEMICALS INC 197 MYNIST ST. PO BOX 400 LINDSBURG, NJ 07644		1. Generator's US EPA ID No. NJ000131528-18		A. State Manifest Document Number PAE 0582352		
4. Generator's Phone (201) 773-7900		6. US EPA ID Number NJ00055670592		B. State Gen. ID PA-18-18		
5. Transporter 1 Company Name VAL		8. US EPA ID Number NJ00055670592		C. State Trans. ID PA-18-18		
7. Transporter 2 Company Name VAL		9. US EPA ID Number NJ00055670592		D. Transporter's Phone (412) 444-8975		
8. Designated Facility Name and Site Address NAPP CHEMICALS INC 197 MYNIST ST. PO BOX 400 LINDSBURG, NJ 07644		10. US EPA ID Number NJ00055670592		E. State Trans. ID PA-18-18		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) ACRYLONITRILE (DANGEROUS) (11001)		12. Containers No. Type 1 X 1 DF XXXXED 6		F. Transporter's Phone (412) 444-8975		
13. Total Quantity		14. Unit Wt/Vol		15. Waste No.		
16. Special Handling Instructions and Additional Information 201 773-7900		17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Signature MONTH DAY YEAR		18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature MONTH DAY YEAR		
19. Discrepancy Indication Space		20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 18. Printed/Typed Name Signature MONTH DAY YEAR				



LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: NAPP CHEMICALS INC

Generator EPA ID Number: NJD0001315232

PAE4138816

Manifest Number: _____

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 300.

11a Approval/Lab Code: AD38226

Waste Water: N Non Waste Water: Y UHC's: Y Class Group: A

Waste Codes: D002

Sub Categories:

CORROSIVE CHARACTERISTIC WASTES, CWA, CWA-EQUIVALENT, OR CLASS I SDWA SYSTEMS

Constituent(s):

NO UHC'S IN WASTE

11b Approval/Lab Code: AD37670

Waste Water: N Non Waste Water: Y UHC's: Y Class Group: A

Waste Codes: U003

Sub Categories:

Constituent(s):

ACETRONTRILE

See back for descriptions of classification groups and classification group certification statement.

I hereby certify that I believe that the information submitted herein is true, accurate and complete.

Signature: [Signature]

Title: QC

Date: 5/16/95



Bureau of Waste Management
P. O. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

Form approved.
OMB No. 2050-0039
Expires 9-30-94

WM-51 REV. 1/91

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest
Document No.

2. Page 1
of 1

Information in the shaded areas
is not required by Federal law
but is required by State law.

3. Generator's Name and Mailing Address

199 MAIN ST. PO BOX 900
Lodi, NJ 07644
NAPP CHEMICALS INC

4. Generator's Phone (201)

773-3900

5. Transporter 1 Company Name

R.E. PUBLIC F.A.V. SYS (PA)

6. US EPA ID Number

PA D085690592

7. Transporter 2 Company Name

R.E. PUBLIC F.A.V. SYS (TRANS GROUP)

8. US EPA ID Number

PA D0982661381

9. Designated Facility Name and Site Address

R.E. PUBLIC F.A.V. SYS. (PA) INC
2869 Sangstone Drive
Hartfield Pa. 19440

10. US EPA ID Number

PA D085690592

A. State Manifest Document Number

PAE 0582352

B. State Gen. ID

PAE 0582352

C. State Trans. ID

PAE 0582352

D. Transporter's Phone (415)

PAE 0582352

E. State Trans. ID

PAE 0582352

F. Transporter's Phone (415)

PAE 0582352

G. State Facility's ID

PAE 0582352

H. Facility's Phone (415)

PAE 0582352

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

RQ WASTE FLAMMABLE LIQUID NOS. 3 UN1993
(DIETHYLAMINE 0-99%) PG II
(TRIETHYLAMINE 0-99%) (0001)

12. Containers

No. Type

XX1 DF

13. Total
Quantity

XXX30 G

14. Unit
Wt/Vol

G

15. Waste No.

0001

1. Additional Descriptions for Materials Listed Above

Lab Pack Physical State

a. ☐ L 038180

b. ☐ ☐

Lab Pack Physical State

c. ☐ ☐

d. ☐ ☐

K. Handling Codes for Wastes Listed Above

a. ☐ b. ☐

c. ☐ d. ☐

e. ☐ f. ☐

g. ☐ h. ☐

15. Special Handling Instructions and Additional Information

Emergency Phone

201 773-3900

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

AI GAZDARSKI

Signature

AI GAZDARSKI

MONTH DAY YEAR

X 5 15 95

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Dean Moyer

Signature

Dean Moyer

MONTH DAY YEAR

X 5 15 95

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

MONTH DAY YEAR

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

Signature

MONTH DAY YEAR



DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P. O. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

Form approved
OMB No. 2050
Expires 9-30-9

ER-WM-51 REV. 1/81

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. PAJ0001315282182352		2. Page 1 of 1		Information in the shaded area is not required by Federal law but is required by State law.	
3. Generator's Name and Mailing Address 199 MAIN ST. PO BOX 900 Lodi, NJ 07644				A. State Manifest Document Number PAE 0582352			
4. Generator's Phone (201) 773-3900				B. State Gen. ID 315E			
5. Transporter 1 Company Name REPUBLIC F.V. SYS (PA)				6. US EPA ID Number PA085690592		C. State Trans. ID PA 11111111	
7. Transporter 2 Company Name REPUBLIC F.V. SYS (TRANS GROUP)				8. US EPA ID Number PA0982661381		D. State Trans. ID PA 11111111	
9. Designated Facility Name and Site Address REPUBLIC F.V. SYS. (PA) INC 2869 SANDSTONE DRIVE HATFIELD, PA 19440				10. US EPA ID Number PA085690592		E. State Facility ID PA 11111111	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HAZ WASTE FLAMMABLE LIQUID NOS. 3 UN1993 (DIETHYLAMINE 0-99% TRIETHYLAMINE 0-99%) PG III (0001)				12. Containers No. Type XX1 DF		13. Total Quantity XXX30 G	
14. Additional Descriptions for Materials Listed Above a. Lab Pack Physical State L b. Lab Pack Physical State L				K. Handling Codes for Wastes Listed Above 2501			
15. Special Handling Instructions and Additional Information EMERGENCY PHONE 201 773-3900							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Al GAZDalski				Signature <i>Al GAZDalski</i>		MONTH DAY X5 15	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Dean moyer				Signature <i>Dean moyer</i>		MONTH DAY X5 15	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		MONTH DAY	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature MONTH DAY							

877490300

STRAIGHT

BILL OF LADING

REPUBLIC ENVIRONMENTAL SYSTEMS

B/L
Number 393443 1/22337 NORTH PENN ROAD
HATFIELD PA 19440

DATE OF PICKUP 5/16/95 EPA IDENTIFICATION CODE NO. NJD001315282
 GENERATOR NAPP CHEMICALS INC ADDRESS 199 MAIN STREET
 CITY LODI STATE NJ ZIP 07644 PHONE 201 773-3900
 CONTACT: BOB LOEWENSTEIN BROKER: _____

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit WL/Vol.	Waste No.
	No.	Type			
a. RQ WASTE CORROSIVE LIQUIDS, N.O.S., 8, UN1760, PG II (NITRIC ACID)	XX1	DM	XX200	P	D002
b. RQ HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, PG III (ACETONITRILE)	XX6	DM	XX200	P	U003
c. RQ WASTE SODIUM HYDROXIDE, SOLUTION, 8, UN1824, PG II	XX1	DM	XX55	G	D002
d. RQ HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, PG III (PYRIDINE)	XX4	DM	XX800	P	U196

Additional Information/Lab Code

AD38226 S01

c WD38274 S01

AD37670 S01

d AD38294 S01

CONTRACT/PO NO. H

NO. OF OVERPACKS USED _____

START TIME 700 AARRIVAL AT CUSTOMER 900 ADEPARTED CUSTOMER 1200 P

DELAY TIME _____

SPECIAL INSTRUCTIONS / REASONS FOR DELAY

HAZARDOUS WASTE

GENERATOR CERTIFICATION:

"I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations." I also certify that all times listed above are true and correct.

Print Name AL GAZDARSKISignature [Signature]Date 5/16/95FACTOR # 42TRAILER# 3090BOX SPOTTED# XBOX PICKED UP# XLINER APHONE NUMBER 215 822-8995

TRANSPORTER #1

COMPANY REPUBLIC ENV. SYS. (PA)EPA ID NO. PAD085690592PRINT NAME Mike BrownSIGNATURE [Signature]DATE 5/16/95

TRANSPORTER #2

COMPANY REPUBLIC ENV SYS (TRANS GROUP)PHONE NUMBER 215 822-2676EPA ID NO. PAD982661381

PRINT NAME _____

SIGNATURE _____

DATE _____

DEF ARRIVAL TIME _____

REASON FOR DELAY _____

DEF DEPARTURE TIME _____

DELAY TIME _____

VISIT TIME _____

NSIGNED/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. PAD085690592NSIGNED TO REPUBLIC ENV SYS (PA), INC.ADDRESS 2869 SANDSTONE DRIVE

HATFIELD

STATE PAZIP 19440PHONE 215 822-8995

S IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

PRINT NAME _____

SIGNATURE _____

DATE _____

10 - GENERATOR FILE

11 - TRANSPORTER FILE

12 - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)

Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE

Goldenrod - TSD FACILITY COPY

FORM #102 B



ER-WM-51 REV. 10/94

Bureau of Waste Management
P.O. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

Form approved.
OMB No. 2050-003
Expires 9-30-96

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest
Document No.2. Page 1
of 1

Information within the blue border is not
required by Federal law but may be
required by State law.

A. State Manifest Document Number

PAE 4138816

B. State Gen. ID

SAME

5. Transporter 1 Company Name

REPUBLIC ENV. SYS. (PA)

6. US EPA ID Number

PAD085690592

C. State Trans. ID

PA-AH S06209

7. Transporter 2 Company Name

REPUBLIC ENV SYS (TRANS GROUP)

8. US EPA ID Number

PAD982661381

D. Transporter's Phone (

215 822-8995

E. State Trans. ID

PA-AH 0317

9. Designated Facility Name and Site Address

REPUBLIC ENV SYS (PA), INC.
2869 SANDSTONE DRIVE
HATFIELD PA 19440

10. US EPA ID Number

PAD085690592

F. Transporter's Phone (

215 822-2676

G. State Facility's ID

H. Facility's Phone (215 822-8995

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

13. Total
Quantity14. Unit
Wt/VolL
Waste No.

a. RQ WASTE CORROSIVE LIQUIDS, N.O.S., 8, UN1760, PG II,
(NITRIC ACID), (D002)

XXX1

DM

XX200

P

D000

b. RQ HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077,
PG III, (ACETONITRILE), (U003)

XXX6

DM

XX200

P

U000

c. RQ WASTE SODIUM HYDROXIDE, SOLUTION, 8, UN1824, PG II,
(D002)

XXX1

DM

XXX55

G

D000

d. RQ HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077,
PG III, (PYRIDINE), (U196)

XX4

DM

XX800

P

U190

Additional Descriptions for Materials Listed Above

Lab Pack

Physical State

Lab Pack

Physical State

a. ☐ ☐ AD38226

c. ☐ ☐ WD38274

a. S01

c. S01

b. ☐ ☐ AD37670

d. ☐ ☐ AD38294

b. S01

d. S01

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE 201-773-3

16. GENERATOR'S CERTIFICATION:

I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Al Gazdalski

Signature

Al Gazdalski

MONTH DAY YR

05/16/9

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Mike Brown

Signature

Mike Brown

MONTH DAY YR

05/16/9

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

MONTH DAY YR

05/16/9

19. Discrepancy Indication Space

Facility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

MONTH DAY YR

05/16/9

LAND DISPOSAL RESTRICTION, NOTIFICATION CERTIFICATION FORM

Generator Name: NAPP CHEMICALS INC Generator EPA ID Number: NJD001315282
PAE4138816
 Manifest Number: _____

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Approval/Lab Code: WD38274 Waste Water: N Non Waste Water: Y UHC's: Y Class Group: A

Site Codes: D002

Sub Categories:

ROSIVE CHARACTERISTIC WASTES, CWA, CWA-EQUIVALENT, OR CLASS I SDWA SYSTEMS

Constituent(s):

UHC'S IN WASTE

Approval/Lab Code: AD38294 Waste Water: N Non Waste Water: Y UHC's: Y Class Group: A

Site Codes: U196

Sub Categories:

Constituent(s):

UHC'S IN WASTE

See back for descriptions of classification groups and classification group certification statement.

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature: Al Gaydarski Title: QC Date: 5/16/95

877490303

STRAIGHT

BILL OF LADING

REPUBLIC ENVIRONMENTAL SYSTEMS

B/L Number <u>393444 2/2</u>		2337 NORTH PENN ROAD HATFIELD PA 19440	
E OF PICKUP <u>5/16/95</u>		EPA IDENTIFICATION CODE NO. <u>NJD001315282</u>	
GENERATOR <u>NAPP CHEMICALS INC</u>		ADDRESS <u>199 MAIN STREET</u>	
CITY <u>LODI</u>	STATE <u>NJ</u>	ZIP <u>07644</u>	PHONE <u>201 773-399</u>
CONTACT: <u>BOB LOEWENSTEIN</u>		BROKER:	

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit Wt./Vol.	Waste
	No.	Type			
a. NON DOT/RCRA HAZ LIQUID NOT DOT REGULATED	XX1	DM	XX55	G	N/A
b. NON DOT/RCRA HAZ LIQUID NOT DOT REGULATED	XX3	DM	XX165	G	N/A
c. <u>NON DOT/RCRA HAZ LIQUID NOT DOT REGULATED</u>	XX4	DF	XX220	G	
d.					

Additional Information/Lab Code	Emergency Phone#
a. <u>WD38178</u> <u>S01</u>	<u>WD38179</u>
b. <u>WD38179</u> <u>S01</u>	d

CONTRACT/PO NO. <u>H</u> NO. OF OVERPACKS USED <u>1</u> DEPART TIME <u>700A</u> ARRIVAL AT CUSTOMER <u>900A</u> DEPARTED CUSTOMER <u>1200P</u> DELAY TIME _____	SPECIAL INSTRUCTIONS / REASONS FOR DELAY <u>Table Load Paperwork</u> _____ _____ _____
--	--

GENERATOR CERTIFICATION:
 "I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations." I also certify that all times listed above are true and correct.

Print Name Al Gazdalski Signature Al Gazdalski Date 5/16/95

TRACTOR # <u>42</u>	TRAILER# <u>3090</u>	BOX SPOTTED# <u>X</u>	BOX PICKED UP# <u>X</u>	LINER <u>X</u>
---------------------	----------------------	-----------------------	-------------------------	----------------

TRANSPORTER #1	PHONE NUMBER <u>215 822-8995</u>
COMPANY <u>REPUBLIC ENV. SYS. (PA)</u>	EPA ID NO. <u>PAD085690592</u>
PRINT NAME <u>Mike Brown</u>	SIGNATURE <u>Mike Brown</u> DATE <u>5/16/95</u>

TRANSPORTER #2	PHONE NUMBER <u>215 822-2676</u>
COMPANY <u>REPUBLIC ENV SYS (TRANS GROUP)</u>	EPA ID NO. <u>PAD982661381</u>
PRINT NAME _____	SIGNATURE _____ DATE _____

TSDF ARRIVAL TIME _____ TSDF DEPARTURE TIME _____ DELAY TIME _____ FINISH TIME _____	REASON FOR DELAY _____ _____ _____
---	--

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. <u>PAD085690592</u>	
CONSIGNEE TO <u>REPUBLIC ENV SYS (PA), INC.</u>	ADDRESS <u>2869 SANDSTONE DRIVE</u>
<u>HATFIELD</u>	STATE <u>PA</u> ZIP <u>19440</u> PHONE <u>215 822-8995</u>

THIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

PRINT NAME _____ SIGNATURE _____ DATE _____

White - GENERATOR FILE
 Blue - TRANSPORTER FILE
 Green - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)
 Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE
 Goldenrod - TSD FACILITY COPY

FORM #10
 (Rev. 1/95)



PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P.O. Box 855
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

Form approved.
OMB No. 2050-0039
Expires 9-30-96

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest
Document No.

2. Page 1
of 1

Information within the blue border is not
required by Federal law but may be
required by State law.

Generator's Name and Mailing Address

NAPP CHEMICALS INC

199 MAIN STREET P O BOX 900
LODI NJ 07644

201 773-3900

Transporter 1 Company Name

6. US EPA ID Number

REPUBLIC ENV. SYS. (PA)

PAD085690592

Transporter 2 Company Name

8. US EPA ID Number

REPUBLIC ENV SYS (TRANS GROUP)

PAD982661381

Designated Facility Name and Site Address

10. US EPA ID Number

REPUBLIC ENV SYS (PA), INC.
2869 SANDSTONE DRIVE
HATFIELD PA 19440

PAD085690592

A. State Manifest Document Number

PAE 4138820

B. State Gen. ID

SAME

C. State Trans. ID

PA-AH 506209

D. Transporter's Phone (

215 822-8995

E. State Trans. ID

PA-AH 0317

F. Transporter's Phone (

215 822-2676

G. State Facility's ID

H. Facility's Phone (

215 822-8995

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

No.

Type

13. Total
Quantity

14. Unit
Wt/Vol

15. Waste No.

NON DOT/RCRA HAZ LIQUID, NOT DOT REGULATED

XXX1 DM XXX53 G N/A

NON DOT/RCRA HAZ LIQUID, NOT DOT REGULATED

XXX3 DM XXX165 G N/A

NON DOT/RCRA HAZ LIQUID, NOT DOT REGULATED XXX4 DF XXX220 G N/A

Additional Descriptions for Materials Listed Above

Lab Pack

Physical State

Lab Pack

Physical State

☐ ☐ WD38178

c. ☒ LAB

☐ L WD38179

K. Handling Codes for Wastes Listed Above

a. S01

c. S01

☐ ☐ WD38179

d. ☐

☐

b. S01

d.

Special Handling Instructions and Additional Information

EMERGENCY PHONE 201-773-3900

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Al Gazdalski

Signature

Al Gazdalski

MONTH DAY YEAR

05/16/95

Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name

Mike Brown

Signature

Mike Brown

MONTH DAY YEAR

05/16/95

Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name

Signature

MONTH DAY YEAR

Discrepancy Indication Space

Facility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 18.

Printed/Typed Name

Signature

MONTH DAY YEAR

REPUBLIC ENVIRONMENTAL SYSTEMS (PENNSYLVANIA), INC.

2869 Sandstone Drive / Hatfield, Penna. 19440

B/L Number _____ Date <u>5/16/95</u> Received, subject to the classification and tariffs in effect on the date of issue of this original Bill of Lading.	STRAIGHT BILL OF LADING NON NEGOTIABLE	COMMONWEALTH OF PENNSYLVANIA DEPT. OF ENVIRONMENTAL RESOURCES BUREAU OF SOLD WASTE MANAGEMENT PROCESSING FACILITY PERMIT NO. 300694
DATE OF PICKUP <u>5/16/95</u> EPA IDENTIFICATION CODE NO. <u>NJD 001315282</u> GENERATOR <u>Napp Technologies</u> ADDRESS <u>199 Main Street</u> CITY <u>Lodi</u> STATE <u>NJ</u> ZIP <u>07644</u> PHONE <u>(201) 733-3900</u>		

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers No.	Type	Total Quantity	Unit Wt./Vol.	Waste No.
a. RQ, Waste Sodium Hydrosulfite, 4.2, UN1384, PG II (D003)	001	DM	00100	P	D00
b.					
c.					
d.					

Additional Information/Lab Code a. <u>AD 38232</u>	c. d.
---	--------------

SPECIAL HANDLING INSTRUCTIONS/COMMENTS (Contract No. _____)	PLACARDS PROVIDED/AFFIXED 1. <u>None</u> 2. _____ DRIVERS SIGNATURE X <u>Mark Ott</u>
EMERGENCY INFORMATION!!! Call Generator, (print) _____	CALL: CHEMTREX 1-800-424-9300 Phone No. A/C _____

GENERATOR CERTIFICATION:
 I certify that the materials described above are properly described, classified, packaged, marked and labeled and are in proper condition to be transported in commerce under the applicable regulations of the Federal Environmental Protection Agency and the Federal Department of Transportation, and that all time and delays are correct as noted.

Print Name Al Gajdalski Signature Al Gajdalski Date Shipped 5/16/95

TRANSPORTER COMPANY <u>Republic Env. Sys. (Trans Group)</u> CITY <u>Hatfield</u> STATE <u>PA</u> ZIP <u>19440</u> PHONE <u>(215) 822-8000</u>	EPA IDENTIFICATION CODE NO. <u>PAD 9826613</u> ADDRESS <u>21 Church Rd.</u>
This is to certify acceptance of the above described waste for transportation. PRINT NAME <u>Mark Ott</u> SIGNATURE <u>Mark Ott</u> DATE <u>5/16/95</u>	

DEPARTED _____ ARRIVAL AT CUSTOMER _____ STARTED LOADING _____ END LOADING _____ DEPARTED CUSTOMER _____	A.M. P.M.	ARRIVE REPUBLIC ENVIRONMENTAL _____ TOTAL DELAY TIME _____ REASON FOR DELAY _____ TRACTOR NO. _____ TRAILER NO. _____	A.M. P.M.
--	-----------	--	-----------

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY SHIPPED TO <u>Republic Env. Sys. (PA)</u> CITY <u>Hatfield</u> STATE <u>PA</u> ZIP <u>19440</u> PHONE <u>(215) 822-8995</u>	EPA IDENTIFICATION CODE NO. <u>PAD 085690592</u> ADDRESS <u>2869 Sandstone Drive</u>
THIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL PRINT NAME _____ SIGNATURE _____ DATE _____	

White - GENERATOR FILE
 Blue - TRANSPORTER FILE
 Green - PROCESSING FACILITY

Yellow - RETURN TO GENERATOR
 Pink - BILLING FILE

877490305

FORM #10:


**REPUBLIC
ENVIRONMENTAL
SYSTEMS**
LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORMGenerator Name: Napp TechnologiesGenerator EPA ID Number: MTJ 001315282Manifest Number: PAE 1355631

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Approval/Lab Code	Manifest Line # (e.g., 11(a), 11(b))	W W	N W W	List the EPA Waste Codes, Subcategories and/or Constituent(s) of Concern	UHCs* (Y or N)	Classification Group
	11a		X	D003 other residues	N	A

W.W. - Wastewater

N.W.W. - Non-Wastewater

* The Underlying Hazardous Constituents (UHCs) must be identified for waste streams with the EPA Waste Codes F001-F005, F039, D001 (not treated by CMBST or RORGS), D002, D012-D043 (if treated in non-CWA, non-CWA equivalent or non-SDWA facilities). Please complete and attach an Underlying Hazardous Constituents Table sheet (photocopy as necessary) for each affected Approval/Lab Code.

Classification Groups

- A. Restricted wastes which require treatment.
- B. Restricted wastes already treated to meet LDR Treatment Standards.
- C. Restricted wastes treated with a Specified Technology.
- D. Restricted waste that meet LDR Treatment Standards without prior treatment.
- E. Restricted wastes subject to an Exemption or Variance.
- F. Hazardous debris subject to Alternative Treatment Standards in 40 CFR 268.45 (List Contaminants).
- G. Hazardous debris subject to Treatment Standards in 40 CFR 268.40.
- H. Lab Pack wastes subject to Alternative Treatment Standards under 40 CFR 268.42(c).
- I. Wastes already treated to remove hazardous characteristic(s) but require further treatment for underlying hazardous constituents (list constituents).

The following certification statements correspond to the Classification Groups as specified below:

Classification Group B:

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

Classification Group C:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group D:

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D of all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

Classification Group H:

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes which have not been excluded under appendix IV to 40 CFR part 268 or solid wastes not subject to regulation under 40 CFR part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group I:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature: Al Gaydarelis Title: QCDate: 5/16/95



PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P.O. Box 8550
Harrisburg, PA 17105-8550

Form approved
OMB No. 2050
Expires 9-30-9

ER-WM-51 REV. 1/91

OFFICIAL PENNSYLVANIA MANIFEST FORM

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded area is not required by Federal law but is required by State law.
3. Generator's Name and Mailing Address Napp Technologies Inc. 199 Main Street Lodi, NJ 07644		6. US EPA ID Number IPAD085690592		A. State Manifest Document Number PAE-1355681	
4. Generator's Phone (201) 733-3900		7. Transporter 1 Company Name Republic Env. Sys. (PA)		B. State Gen ID PAE-1355681	
5. Transporter 1 Company Name Republic Env. Sys. (PA)		8. US EPA ID Number IPAD982661381		C. State Trans ID PAE-1355681	
7. Transporter 2 Company Name Republic Env. Sys. (Trans Group)		9. Designated Facility Name and Site Address Republic Environmental Systems (PA) Inc. 2869 Sandstone Drive Hatfield, PA 19440		D. Transporter's Phone (215) 822-8822	
10. US EPA ID Number IPAD085690592		E. State Trans ID PAE-1355681		F. Transporter's Phone (215) 822-8822	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. Waste Sodium Hydro sulfite, RQ, 4.2 UN1384, DGLI (D003)		12. Containers No. Type		13. Total Quantity Unit Wt/Vol	
		001 DM 00100 P		Do	
15. Special Handling Instructions and Additional Information T-117 LPS184		Emergency Phone (201) 733-3900			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.					
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable or, have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Al Gazdalski		Signature Al Gazdalski		MONTH DAY 10 5 16	
17. Transporter 1 Acknowledgment of Receipt of Materials Printed/Typed Name Mark Ott		Signature Mark Ott		MONTH DAY 10 5 16	
18. Transporter 2 Acknowledgment of Receipt of Materials Printed/Typed Name		Signature		MONTH DAY	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name		Signature		MONTH DAY	

**REPUBLIC
ENVIRONMENTAL
SYSTEMS**
LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: Nazco Technologies, Inc. Generator EPA ID Number: NJD 001315282
 Manifest Number: PAE1829984

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Approval/Lab Code	Manifest Line # (e.g., 11(a), 11(b))	W W	N W	List the EPA Waste Codes, Subcategories and/or Constituent(s) of Concern	UHCs* (Y or N)	Classification Group
	11c.		X	D001 Ignitable Compressed gases	N	A
	11d.		X	D001 Highly Ignitable Liquids, 0220 Toluene	N	A
	11c.		X	D001 Ignitable Reactives, D003 Ignitable Residue	N	A
	11d.		X	D001 Solid Residue	N	A
	28a.		X	D098 Potassium Cyanide Potassium Cyanide	N	A
	28a.		X	D003 Reactive Cyanides	N	A
	28d.		X	D011 Silver	N	A

W.W. - Wastewater

N.W.W. - Non-Wastewater

* The Underlying Hazardous Constituents (UHCs) must be identified for waste streams with the EPA Waste Codes F001-F005, F039, D001 (not treated by CMBST or RORGS), D002, D012-D043 (if treated in non-CWA, non-CWA equivalent or non-SDWA facilities). Please complete and attach an Underlying Hazardous Constituents Table sheet (photocopy as necessary) for each affected Approval/Lab Code.

Classification Groups

- A. Restricted wastes which require treatment.
- B. Restricted wastes already treated to meet LDR Treatment Standards.
- C. Restricted wastes treated with a Specified Technology.
- D. Restricted waste that meet LDR Treatment Standards without prior treatment.
- E. Restricted wastes subject to an Exemption or Variance.
- F. Hazardous debris subject to Alternative Treatment Standards in 40 CFR 268.45 (List Contaminants).
- G. Hazardous debris subject to Treatment Standards in 40 CFR 268.40.
- H. Lab Pack wastes subject to Alternative Treatment Standards under 40 CFR 268.42(c).
- I. Wastes already treated to remove hazardous characteristic(s) but require further treatment for underlying hazardous constituents (list constituents).

The following certification statements correspond to the Classification Groups as specified below:

Classification
Group B:

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

Classification
Group C:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification
Group D:

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D of all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

Classification
Group H:

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes which have not been excluded under appendix IV to 40 CFR part 268 or solid wastes not subject to regulation under 40 CFR part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification
Group I:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature: Q. Gaydalski Title: QC Date: 5/16/95

UNDERLYING HAZARDOUS CONSTITUENTS TABLE

Page 201

Lab Code: _____

Manifest No: PAE 1829

For F001-F005, F039, D001, D002 & D012-D043 Waste Streams

Please identify those constituents which are reasonably expected to be present in the waste referenced above.

Check if none of the Underlying Hazardous Constituents (UHCs) are present in this waste.

(✓) Constituents	(✓) Constituents	(✓) Constituents	(✓) Constituents
Acetone	Dibenz(a,h)pyrene	Heptachlor epoxide	Tetrachlorodibenzo-furans
Acenaphthalene	1,2-Dibromothane (ethylene dibromide)	Hexachlorobenzene	Tetrachlorodibenzo-p-dioxins
Acenaphthene	Dibromomethane	Hexachlorobenzene	1,1,1,2-Tetrachlorodioxins
Acetonitrile	2,4-Dichlorophenoxyacetic acid	Hexachlorocyclopentadiene	1,1,2,2-Tetrachlorodioxins
Acetophenone	Diphenylamine	Hexachlorodibenzo-furans	Tetrachlorodioxins (Tetrachlorodioxin)
2-acetylaminofluorene	1,2-Diphenyl hydrazine	Hexachlorodibenzo-p-dioxins	2,3,4,6-Tetrachlorophenol
Acrylonitrile	Diphenyl Nitrosamine	Hexachlorodioxins	Tempone
Aldein	o,p-DDD	Hexachloropropene	1,2,4-Trichlorobenzene
Aldein	p,p-DDD	Isodioxin (1,2,3,4-dioxane)	1,1,1-Trichloroethane
Amine	o,p-DDB	Iodanthene	1,1,2-Trichloroethylene
4-Aminobiphenyl	p,p-DDB	Iodolene	Trichloroethylene
Anthracene	o,p-DDT	Isoctane	2,4,5-Trichlorophenol
Aroclor 1016	p,p-DDT	Isonitrate	2,4,6-Trichlorophenol
Aroclor 1221	Dibenz(a,h)anthracene	Kapton	1,2,3-Trichloropropene
Aroclor 1232	o-Dichlorobenzene	Methacrylonitrile	1,1,2-Trichloro-1,2,2-trifluoroethane
Aroclor 1242	m-Dichlorobenzene	Methacrylonitrile	tris(2,3-Dibromopropyl) phosphate
Aroclor 1248	p-Dichlorobenzene	Methanol	Vinyl chloride
Aroclor 1254	Dichlorodifluoromethane	Methoxychlor	Xylene(s)
Aroclor 1260	1,1-Dichloroethane	3-Methoxychloroethane	
alpha-BHC	1,2-Dichloroethane	4,4-Methylen bis (2-chloroaniline)	INORGANIC CONSTITUENTS
beta-BHC	1,1-Dichloroethylene	Methylene chloride	Cyanides (Total)
gamma-BHC	trans-1,2 Dichloroethane (2-Dichloroethylene)	Methyl ethyl ketone	Fluoride
Benzene	2,4-Dichlorophenol	Methyl isobutyl ketone	Sulfide
Benz(a)anthracene	2,6-Dichlorophenol	Methyl methacrylate	Antimony
Benz(b)fluoranthene	1,2-Dichloropropene	Methyl methacrylate	Arsonic
Benz(k)fluoranthene	cis-1,3 Dichloropropene	Methyl methacrylate	Bismuth
Benz(g,h,i)perylene	trans-1,3 Dichloropropene	Methyl parathion	Baryllium
Benz(a)pyrene	Dieldrin	Naphthalene	Cadmium
Bromodichloromethane	Dieldrin	2-Naphthylamine	Chromium (total)
Bromoforn	Dieldrin	p-Nitroaniline	Copper
Bromomethane (methyl bromide)	2,4-Dimethyl phenol	Nitrobenzene	Lead
4-Bromophenyl phenyl ether	Dimethyl phthalate	5-Nitro-o-toluidine	Mercury
n-Butyl alcohol	Di-n-butyl phthalate	4-Nitrophenol	Nickel
Butyl butyl phthalate	1,4-Dinitrobenzene	N-Nitrosodimethylamine	Selenium
2-sec-Butyl-4,6-dinitrophenol	4,6-Dinitro-o-cresol	N-Nitrosodimethylamine	Silver
Carbon disulfide	2,4-Dinitrophenol	N-Nitroso-N-methylamine	Thallium
Carbon tetrachloride	2,4-Dinitrobenzene	N-Nitrosomethylamine	Vanadium
Chlordane	2,6-Dinitrobenzene	N-Nitrosomethylamine	
p-Chloroaniline	Di-n-octyl phthalate	N-Nitrosopiperidine	TOLUENE
Chlorobenzene	Di-n-propylphthalate	N-Nitrosopyrrolidine	
Chlorobenzonitrile	Dinitrobenzene	Parathion	
Chlorodibromomethane	Endosulfan I	Pentachlorobenzene	
Chloroethane	Endosulfan II	Pentachlorodibenzo-furans	
2-Chloro-1,3-butadiene	Endosulfan sulfate	Pentachlorodibenzo-p-dioxins	
bis-(2-chloroethoxy) methane	Endrin	Pentachlorodibenzofuran	
bis-(2-chloroethyl) ether	Endrin aldehyde	Pentachlorophenol	
Chloroform	Ethyl acetate	Phenacetin	
bis(2-chloroisopropyl) ether	Ethyl benzene	Phenanthrene	
p-Chloro-m-cresol	Ethyl cyanide	Phenol	
Chloromethane (methyl chloride)	Ethyl ether	Phenol	
2-Chloronaphthalene	bis-(2-ethylhexyl) phthalate	Phthalic Anhydride	
2-Chlorophenol	Ethyl methacrylate	Formamide	
1-Chloropropene (3-Chloropropylene)	Ethylene oxide	Pyrene	
Chrysene	Fenphos	Pyridine	
o-Cresol	Fluorethene	Sulfide	
Cresol (m,p isomers)	Fluorene	Silver(2,4,5-TP)	
Cyclohexanone	Fluorotrichloromethane	2,4,5-T	
	Heptachlor	1,2,4,5-Tetrachlorobenzene	

877490309



PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P.O. Box 8550
Harrisburg, PA 17105-8550

Form approved.
OMB No. 2050-0020
Expires 9-30-94

WM-51 REV. 1/91

OFFICIAL PENNSYLVANIA MANIFEST FORM

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1
of 1Information in the shaded areas
is not required by Federal law
but is required by State law.

Generator's Name and Mailing Address

NQUP Technology, Inc.
199 Main Street
Lodi, NJ 07644

A. State Manifest Document Number
PAE 1829984

B. State Gen. ID

Same

Generator's Phone (201) 733-3900

Transporter 1 Company Name

Republic Env. Sys. (PA)

6. US EPA ID Number

IPAD 085690592

Transporter 2 Company Name

Republic Env. Sys. (Trans Group)

8. US EPA ID Number

IPAD 982661381

Designated Facility Name and Site Address

Republic Environmental Systems (PA) Inc.
2869 Sandstone Drive
Jeff.eld, PA 19440

10. US EPA ID Number

IPAD 085690592

C. State Trans. ID NJ DEP 506209

PAE 1829984

D. Transporter's Phone (215) 822-8995

E. State Trans. ID

PAE 1829984

F. Transporter's Phone (215) 822-2676

G. State Facility's ID

PAE 1829984

H. Facility's Phone (215) 822-8995

1. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

RQ, Waste Aerosols, 2.1, UN1950 (2001)

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

15. Waste No.

001 DM 00150 P D001

Waste Flammable Liquids, n.o.s., 3, UN1993

001 DF 00055 P D001

G.I. (2001, U220) (Toluene, Dimethyl Formamide)

001 DF 00055 P D001

Waste Sodium Methoxide, 4.2, UN1431, PG II

001 DF 00002 P D001

Waste Oxidizing Substances, Solid, n.o.s., 5.1, UN1479 (2001, U220) (Potassium Iodate)

001 DF 00033 P D001

Waste Oxidizing Substances, Solid, n.o.s., 5.1, UN1479 (2001, U220) (Potassium Iodate)

001 DF 00033 P D001

Additional Descriptions for Materials Listed Above

Lab Pack Physical State

X S L G I

Lab Pack Physical State

X S I R

K. Handling Codes for Wastes Listed Above

S O 1 S O 1

S O 1 S O 1

5. Special Handling Instructions and Additional Information

a. #47

b. #50

c. #36

d. #51

T-117
LP5184Emergency Phone
(201) 733-3900

6. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: TAZD Alski; Signature: TAZD Alski; MONTH DAY YEAR: 10/5/16/95

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: Mark Ott; Signature: Mark Ott; MONTH DAY YEAR: 10/5/16/95

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name: Signature: MONTH DAY YEAR:

19. Discrepancy Indication Space

2. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Signature: MONTH DAY YEAR:

REPORT ANY UNRECOVERED DIS-
CHARGE EQUAL TO OR IN EXCESS OF
EACH HAZARDOUS WASTE ASSIGNED
"RQ" VALUE TO NATIONAL RESPONSE
CENTER

800-424-8802

REPORTABLE QUANTITY VALUE
RQ's - 5000/1000/100/10/1

a.

RQ =

c.

RQ =

b.

RQ =

d.

RQ =

CHEMTREC

= 800-424-9300

EPA HOTLINE

= 800-424-9346

CDC POISON CENTER

= 404-633-5313

DOT

= 202-366-4488

PLACARDS
PROVIDED

Please print or type (Form designed for use on elite (12-pitch) typewriter)

Form Approved OMB No 2050 0039 Expires 9-30

UNIFORM HAZARDOUS
WASTE MANIFEST
(Continuation Sheet)

21. Generator's US EPA ID No.

NJ0001315282

Manifest
Document No.

29984

22 Page

2 of 2

Information in the shaded
areas is not required by Feder-
law

23. Generator's Name NAPP TECHNOLOGIES INC

199 MAIN ST.

LODI NJ 07644

(201) 733-3900

L. State Manifest Document Number

PAE 1829984

M. State Generator's ID

SAME

24. Transporter Company Name

25. US EPA ID Number

N. State Transporter's ID

O. Transporter's Phone

26. Transporter Company Name

27. US EPA ID Number

P. State Transporter's ID

Q. Transporter's Phone

28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

29 Containers
No. Type

30
Total
Quantity

31
Unit
Wt. Vol

R.
Waste No.

a. WASTE CYANIDES, INORGANIC, N.O.S., 6.1, UN1588, PG II
(DOOS POX P106)
(POTASSIUM CYANIDE, SODIUM CYANIDE)

001

DF

00001

P

PO98 #
DOOS

b. WASTE POISONOUS LIQUIDS, N.O.S., 6.1, UN2810, PG II
(N/A)
(ISOPROPYLAMINE SALT OF GLYPHOSPHATE)

001

DF

00012

P

N/A

c. WASTE POISONOUS SOLIDS, N.O.S., 6.1, UN2811, PG III
(N/A)
(POISON SOLIDS)

001

DF

00006

P

N/A

d. RQ HAZARDOUS WASTE SOLIDS, N.O.S., 9, NA3077, PG III
(D011)
(SILVER SOLDER GREASE)

001

DM

00140

P

D011

e. NON-HAZARDOUS WASTE LIQUIDS
(N/A)
(BUFFER SOLUTIONS, GLUE)

001

DF

00018

P

N/A

f. NON-HAZARDOUS WASTE SOLIDS
(N/A)
(SAND, DETERGENT)

001

DM

00100

P

N/A

S. Additional Descriptions for Materials Listed Above

a. S/R, H1 + P106

d. S/E

ALL ARE LAB PACKS

T. Handling Codes for Wastes Listed Above

ALL ARE S01

b. L

e. L

c. S

f. S

32. Special Handling Instructions and Additional Information

28a. #45

28d. #46

T-117
LPS184

28b. #52

28c. #49

EMERGENCY PHON

(201) 733-3900

28e. #54

28f. #48

33. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date

Month Day

34. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date

Month Day

35. Discrepancy Indication Space

877490311

GENERATOR INFORMATION

GENERATOR US EPA I.D. NJ 000 01315282

3754

GENERATOR STATE I.D. _____

ATOR NAME NAPP Technologies INC.

BILLING ADDRESS IF DIFFERENT

3 ADDRESS 199 MAIN ST.

CNJ-01

6001, NEW JERSEY 07644

CONTACT J. RUZZA / T.O. BRIEN

ICAL CONTACT J. RUZZA / T.O. BRIEN TITLE

54 PERS VISIONS

PHONE (908) 442-4400

DDRESS SAME

OF WASTE Methyl Parabens & H₂O

SS GENERATING WASTE TANK CLEAN OUT

PHYSICAL CHARACTERISTICS OF WASTE

VISUAL DESCRIPTION <u>etc</u>	STRONG INCIDENTAL ODOR PRESENT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	PHYSICAL STATE @ 70°F		FREE LIQUIDS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
	DESCRIBE _____	<input type="checkbox"/> SOLID <input type="checkbox"/> LIQUID <input type="checkbox"/> POWDER <input type="checkbox"/> SEMI-SOLID	<input type="checkbox"/> SINGLE PHASE <input type="checkbox"/> BI-LAYERED <input type="checkbox"/> MULTI-LAYERED <input checked="" type="checkbox"/> SLUDGE	Pumpable? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Pourable? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
STEAMER WASTEWATER				
CORROSIVITY (pH)	SPECIFIC GRAVITY	FLASH POINT		LIQUID/SOLID
0 <input type="checkbox"/> 9.01-12.49 1-5 <input type="checkbox"/> ≥ 12.50 1-9 <input type="checkbox"/> EXACT pH <u>7</u>	<input type="checkbox"/> < .8 <input type="checkbox"/> 1.2-1.4 <input type="checkbox"/> .8-1.0 <input type="checkbox"/> 1.4-1.7 <input checked="" type="checkbox"/> 1.0-1.2 <input type="checkbox"/> > 1.7 <input type="checkbox"/> EXACT _____	<input type="checkbox"/> < 70°F <input type="checkbox"/> > 200°F <input type="checkbox"/> 70°F - 100°F <input checked="" type="checkbox"/> NO FLASH <input type="checkbox"/> 101°F - 139°F <input type="checkbox"/> EXACT _____ <input type="checkbox"/> 140°F - 200°F		% Total Solids _____ % Suspended Solids _____ % Dissolved Solids _____ % Free Liquids _____
		IGNITABLE (if solid) <input type="checkbox"/> YES <input type="checkbox"/> NO		
		<input type="checkbox"/> CLOSED CUP <input type="checkbox"/> OPEN CUP		

OTHER HAZARDOUS CHARACTERISTICS

NOTE IF THIS WASTE IS ANY OF THE FOLLOWING:

ICRA REACTIVE ☐ RADIOACTIVE
WATER REACTIVE ☐ ETIOLOGICAL
EXPLOSIVE ☐ PESTICIDE MANUFACTURING WASTE
SHOCK SENSITIVE ☐ OTHER _____
PYROPHORIC ☐ NONE OF THE ABOVE

SPECIAL HANDLING CONSIDERATIONS

CHEMICAL COMPOSITION

	RANGE MIN.-MAX.	
<u>Methyl parabens</u>	<u>80 - 90</u>	%
<u>H₂O</u>	<u>20 - 10</u>	%
_____	_____	%
_____	_____	%
_____	_____	%
_____	_____	%
_____	_____	%
_____	_____	%
_____	_____	%
_____	_____	%
TOTAL	<u>100</u>	%

2. INDICATE IF THIS WASTE CONTAINS ANY OF THE FOLLOWING:

NONE or LESS THAN or ACTUAL

PCB's ☐ ☐ < 50 ppm _____ ppm

Cyanides ☐ ☐ < 250 ppm _____ ppm

Phenolics ☐ ☐ < 50 ppm _____ ppm

Sulfides ☐ ☐ < 500 ppm _____ ppm

☐ MSDS ATTACHED

☐ SUPPLEMENTAL ANALYSIS ATTACHED

DESCRIBE: _____

NOTE: The chemical composition total in maximum column must be greater than or equal 100%.

LIST ALL SUBSTANCES REGULATED UNDER 1910.1000, SUBPART Z.

NO. OF PAGES ATTACHED: _____

E. METALS/ORGANICS (mg/kg or ppm)

☐ EP TOX ☐ TCLP ☒ TOTAL

METAL	EP TOX EPA CODE	LESS THAN	ACTUAL	METAL	EP TOX EPA CODE	LESS THAN	ACTUAL
Arsenic	D004	<input checked="" type="checkbox"/> < 5.0	_____	Hexachlorobenzene	D032	<input checked="" type="checkbox"/> < 0.13	_____
Barium	D005	<input checked="" type="checkbox"/> < 100	_____	Hexachloro-1,3-butadiene	D033	<input checked="" type="checkbox"/> < 0.5	_____
Benzene	D018	<input checked="" type="checkbox"/> < 0.5	_____	Hexachloroethane	D034	<input checked="" type="checkbox"/> < 3.0	_____
Cadmium	D006	<input checked="" type="checkbox"/> < 1.0	_____	Lead	D008	<input checked="" type="checkbox"/> < 5.0	_____
Carbon tetrachloride	D019	<input checked="" type="checkbox"/> < 0.5	_____	Lindane	D013	<input checked="" type="checkbox"/> < 0.4	_____
Chloroform	D020	<input checked="" type="checkbox"/> < 0.03	_____	Mercury	D009	<input checked="" type="checkbox"/> < 0.2	_____
Chlorobenzene	D021	<input checked="" type="checkbox"/> < 100.0	_____	Methoxychlor	D014	<input checked="" type="checkbox"/> < 10.0	_____
Chloroform	D022	<input checked="" type="checkbox"/> < 6.0	_____	Methyl ethyl ketone	D035	<input checked="" type="checkbox"/> < 200.0	_____
Chromium	D007	<input checked="" type="checkbox"/> < 5.0	_____	Nitrobenzene	D036	<input checked="" type="checkbox"/> < 2.0	_____
o-Cresol	D023	<input checked="" type="checkbox"/> < 200.0	_____	Pentachlorophenol	D037	<input checked="" type="checkbox"/> < 100.0	_____
m-Cresol	D024	<input checked="" type="checkbox"/> < 200.0	_____	Pyridine	D038	<input checked="" type="checkbox"/> < 5.0	_____
p-Cresol	D025	<input checked="" type="checkbox"/> < 200.0	_____	Selenium	D010	<input checked="" type="checkbox"/> < 1.0	_____
Cresol	D026	<input checked="" type="checkbox"/> < 200.0	_____	Silver	D011	<input checked="" type="checkbox"/> < 5.0	_____
2,4-D	D016	<input checked="" type="checkbox"/> < 10.0	_____	Tetrachloroethylene	D039	<input checked="" type="checkbox"/> < 0.7	_____
1,4-Dichlorobenzene	D027	<input checked="" type="checkbox"/> < 7.5	_____	Toxaphene	D015	<input checked="" type="checkbox"/> < 0.5	_____
1,2-Dichloroethane	D028	<input checked="" type="checkbox"/> < 0.5	_____	Trichloroethylene	D040	<input checked="" type="checkbox"/> < 0.5	_____
1,1-Dichloroethylene	D029	<input checked="" type="checkbox"/> < 0.7	_____	2,4,5-Trichlorophenol	D041	<input checked="" type="checkbox"/> < 400.0	_____
2,4-Dinitrotoluene	D030	<input checked="" type="checkbox"/> < 0.13	_____	2,4,6-Trichlorophenol	D042	<input checked="" type="checkbox"/> < 2.0	_____
Endrin	D012	<input checked="" type="checkbox"/> < 0.02	_____	2,4,5-TP (Silvex)	D017	<input checked="" type="checkbox"/> < 1.0	_____
Heptachlor (and its hydroxide)	D031	<input checked="" type="checkbox"/> < 0.008	_____	Vinyl chloride	D043	<input checked="" type="checkbox"/> < 0.2	_____

F. LIQUID WASTE CHARACTERISTICS
Fuels and WWT Candidates

ORGANIC PHASE _____ %
+ AQUEOUS PHASE _____ % = 100%

RANGE

HEAT VALUE _____ BTU

TOTAL HALOGENS _____ %

ASH CONTENT _____

% SULFUR ☐ < 0.5%

BS&W _____

WATER CONTENT _____

VISCOSITY (cps): _____ @ _____

TOC _____ mg/l

COD _____ mg/l

BOD _____ mg/l

OIL & GREASE _____ mg/l

TOX _____ mg/l

HOC _____ mg/l

G. SHIPPING/MANIFEST INFORMATION

SHIPMENT METHOD

☒ BULK LIQUID
☐ BULK SOLID
☐ DT ☐ RO
☐ DRUM (SIZE) _____

☒ OTHER (SPECIFY)

TANKER TRUCK
(PASS VAC)

ANTICIPATED VOLUME ☒ GALS. ☐ DRUMS
3,200 ☐ TONS ☐ CUBIC YDS.

(QUANTITY) PER ☒ ONE TIME ☐ QUARTER ☐ YEAR

TRANSPORTER: CLEAN VENTURES INC.

TRANSPORTER PHONE/CONTACT: (908) 442-4900

TRANSPORTER USEPA I.D. NJ0982281016

REGULATORY INFORMATION

USEPA HAZARDOUS WASTE? ☐ YES ☒ NO

USEPA HAZARDOUS CODE(S) _____

APPLICABLE SUBCATEGORIES _____

STATE HAZARDOUS WASTE? ☐ YES ☒ NO

STATE CODE(S) _____

D.O.T. HAZARDOUS WASTE? ☐ YES ☒ NO

PROPER SHIPPING NAME

WASTE Chemical Process Liquid NOS
NON HAZ HCN RECYCLED MATERIAL
HAZARD CLASS _____ I.D. NO. _____ R.Q. _____

H. WASTE CERTIFICATION

- Does this waste material contain polychlorinated biphenyls? YES _____ NO ☒
- Does this waste material contain herbicides or pesticides as described in the CFR Part 861.24 Table #1, Hazard #'s D012-D017? YES _____ NO ☒
- Does this waste material contain or ever contain the listed "spent" solvents which would classify the waste as any or all USEPA waste types F001, F003, F004, F005 as per CFR 40 Section 261.31? YES _____ NO ☒
- Does this waste material contain leachable levels of any of the metals covered by EPA waste types D004 thru D011 as per CFR 40 Section 261.2? YES _____ NO ☒
- Does this waste contain any dioxins as specified by 40 CFR 261.31 Hazardous #'s F020, F021, F022, F023, F026, F027, F028? YES _____ NO ☒
- Is this waste material a "California List" waste, as per CFR 40 Section 268.32? YES _____ NO ☒ PCB \geq 50 Ni;
HOC \geq 1000 Th;
- Does this waste material contain D018-D043 as per CFR 40 Section 261.24 (Fed. Reg. 3/29/90)? YES _____ NO ☒
- Does this waste material contain "U", "K" or "P" wastes as defined per CFR 40 Section 261.33? YES _____ NO ☒
- Is this waste considered non-hazardous by USEPA standard? YES ☒ NO _____

AFTER COMPLETION OF QUESTIONS 1 THROUGH 9 PLEASE INITIAL

(Initial) _____

I. MPS CHANGE VERIFICATION

I hereby authorize CYCLE CHEM to amend and/or correct any information on the MPS with the full understanding that if any amendment or correction performed, I will be contacted as such to issue my approval.

(Initial) _____

GENERATOR CERTIFICATION

I hereby certify that all information submitted in this and all attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed.

If CYCLE CHEM discovers, after having taken delivery of the waste, that any waste does not conform to the identification and description on this then CYCLE CHEM shall provide notice of such condition to the Generator and coordinate the return of the nonconforming waste to the point of origin forth on the manifest or to such other locations designated in writing by the Generator. Generator agrees to reimburse CYCLE CHEM for all handling, packaging, clean up and transportation costs or charges, damage to equipment, and costs associated with lost time incurred by CYCLE CHEM during transport, handling, temporary storage and return of such nonconforming waste to point of origin or to such other location designated by Generator.

Authorized Signature

Name (Print or Type)

Title

Date



State of New Jersey
Department of Environmental Protection and Energy
Hazardous Waste Regulation Program
Manifest Section
ON 300, Trenton, NJ 08625-0023

877490314

Use or print in block letters. Form designed for use on state 10-column typewriter.

Form Approved OMB No. 3230-003, 2 pages (10-80)

UNIFORM HAZARDOUS
WASTE MANIFEST

Generator's US EPA ID No.

Manifest
Identification No.

Information in the shaded areas
is not required by Federal law.

Generator's Name and Site Address

APP TECHNOLOGIES INC.
99 MAIN ST
LOD 1, NEW JERSEY 07044
Attention: TJB 208 208-2227

State of New Jersey

NJA 1772285

State Generator's ID

SAME

Transporter's Name

JEAN VENTURE INC.

US EPA ID Number

NJDA 9228/016

State of New Jersey

Transporter's Secondary Name

US EPA ID Number

State of New Jersey

Designated Facility Name and Site Address

CYCLE CHEM. INC.
217 SOUTH FIRST ST.
PL 12, N.J. 07206

US EPA ID Number

NJDO 2200046

State of New Jersey

State of New Jersey

US DOT Description, including Proper Shipping Name, Hazard Class, and ID Number

2. Comments

WASTE CHEMICAL PROCESS Liquid NOS

NON DOT NON RCRA MATERIAL XXITTX 3200 G X 900

Material Description

L1 METHYL PARABEN & H₂O 100%
SILABY

Plate # XAH2928
Serial # 65702

Emergency Phone # (908) 442-4400
TJB 5399

3. GENERATOR'S CERTIFICATION: I hereby certify that the waste and container are properly labeled, classified, packed, marked, and labeled, and are in compliance with the Federal and State hazardous waste management and handling regulations.

I am a large quantity generator, and I have a program in place to ensure the proper and timely management of the waste. I have evaluated the waste and have determined that the waste is not a RCRA hazardous waste, and I have determined that the waste is not a RCRA hazardous waste. I have made a good faith effort to ensure the waste is properly managed and is not a RCRA hazardous waste.

Printed/Typed Name

Signature

Month Day Year

17. Transporter's Acknowledgment of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

18. Transporter's Acknowledgment of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 13.

Printed/Typed Name

Signature

Month Day Year

**REPUBLIC
ENVIRONMENTAL
SYSTEMS**
LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM
Generator Name: NAPP TECHNOLOGIES INC.Generator EPA ID Number: NJD00131528ZManifest Number: PAE 1828551

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Approval/Lab Code	Manifest Line # (e.g., 11(a), 11(b))	W W	N W W	List the EPA Waste Codes, Subcategories and/or Constituent(s) of Concern	UHCs* (Y or N)	Classification Group
	11(a)		X	D001 - HIGH TOC RENITABLE LIQUID	N	A
	11(b)		X	D002 - CORROSIVE PH < 2.0	N	A
	11(c)		X	D002 - CORROSIVE PH > 12.5	N	A
	11(d)		X	D002 - CORROSIVE PH > 12.5	N	A
	11(e)		X	D002 - CORROSIVE PH > 12.5	N	A

W.W. - Wastewater

N.W.W. - Non-Wastewater

* The Underlying Hazardous Constituents (UHCs) must be identified for waste streams with the EPA Waste Codes F001-F005, F039, D001 (not treated by CMBST or RORGS), D002, D012-D043 (if treated in non-CWA, non-CWA equivalent or non-SDWA facilities). Please complete and attach an Underlying Hazardous Constituents Table sheet (photocopy as necessary) for each affected Approval/Lab Code.

Classification Groups

- Restricted wastes which require treatment.
- Restricted wastes already treated to meet LDR Treatment Standards.
- Restricted wastes treated with a Specified Technology.
- Restricted waste that meet LDR Treatment Standards without prior treatment.
- Restricted wastes subject to an Exemption or Variance.
- Hazardous debris subject to Alternative Treatment Standards in 40 CFR 268.45 (List Contaminants).
- Hazardous debris subject to Treatment Standards in 40 CFR 268.40.
- Lab Pack wastes subject to Alternative Treatment Standards under 40 CFR 268.42(c).
- Wastes already treated to remove hazardous characteristic(s) but require further treatment for underlying hazardous constituents (list constituents).

The following certification statements correspond to the Classification Groups as specified below:

Classification Group B:

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

Classification Group C:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group D:

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D of all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

Classification Group H:

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes which have not been excluded under appendix IV to 40 CFR part 268 or solid wastes not subject to regulation under 40 CFR part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group I:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature: Al GajdelskiTitle: QCDate: 5-17-95

UNDERLYING HAZARDOUS CONSTITUENTS TABLE

Page 2 of 1

Lab Code: _____

Manifest No: PAE 18285

For F001-F005, F039, D001, D002 & D012-D043 Waste Streams

Please identify those constituents which are reasonably expected to be present in the waste referenced above.

✓ Check if none of the Underlying Hazardous Constituents (UHCs) are present in this waste.

(✓)	Constituents	(✓)	Constituents	(✓)	Constituents	(✓)	Constituents
_____	Acetone	_____	Dibenz(a,e)pyrene	_____	Hepachlor epoxide	_____	Tetrachlorodibenzo-furans
_____	Acenaphthalene	_____	1,2-Dibromomethane (ethylene dibromide)	_____	Hexachlorobenzene	_____	Tetrachlorodibenzo-p-dioxins
_____	Acenaphthylene	_____	Dibromomethane	_____	Hexachlorobenzene	_____	1,1,1,2 Tetrachloroethane
_____	Acetonitrile	_____	2,4-Dichlorophenoxyacetic acid	_____	Hexachlorocyclopentadiene	_____	1,1,2,2 Tetrachloroethane
_____	Acetophenone	_____	Diphenylamine	_____	Hexachlorodibenzo-furans	_____	Tetrachloroethane (Tetrachloroethane)
_____	2-acetylaminofluorene	_____	1,2-Diphenyl hydrazine	_____	Hexachlorodibenzo-p-dioxins	_____	2,3,4,6-Tetrachlorophenol
_____	Acrylamide	_____	Diphenyl Nitrosamine	_____	Hexachloroethane	_____	Toxaphene
_____	Aldrin	_____	o,p-DDD	_____	Hexachloropropene	_____	1,2,4-Trichlorobenzene
_____	Aldrin	_____	p,p-DDD	_____	Indeno(1,2,3-c,d)pyrene	_____	1,1,1-Trichloroethane
_____	Aniline	_____	o,p-DDB	_____	Iodanthene	_____	1,1,2-Trichloroethylene
_____	4-Aminobiphenyl	_____	p,p-DDB	_____	Iodobenzene	_____	Trichloroethylene
_____	Anthracene	_____	o,p-DDT	_____	Iodolin	_____	2,4,5-Trichlorophenol
_____	Aroclor 1016	_____	p,p-DDT	_____	Isonitrile	_____	2,4,6-Trichlorophenol
_____	Aroclor 1221	_____	Dibenzo(a,h)anthracene	_____	Ketone	_____	1,2,3-Trichloropropene
_____	Aroclor 1232	_____	o-Dichlorobenzene	_____	Methacrylonitrile	_____	1,1,2-Trichloro-1,2,2-trifluoroethane
_____	Aroclor 1242	_____	m-Dichlorobenzene	_____	Methacrylonitrile	_____	tris(2,3-Dibromopropyl) phosphate
_____	Aroclor 1248	_____	p-Dichlorobenzene	_____	Methanol	_____	Vinyl chloride
_____	Aroclor 1254	_____	Dichlorodifluoromethane	_____	Methoxychlor	_____	Xylene(s)
_____	Aroclor 1260	_____	1,1-Dichloroethane	_____	3-Methoxychlorobenzene	_____	INORGANIC CONSTITUENTS
_____	alpha-BHC	_____	1,2-Dichloroethane	_____	4,4 Methylene bis (2-chloroaniline)	_____	Cyanides (Total)
_____	beta-BHC	_____	1,1-Dichloroethylene	_____	Methylene chloride	_____	Fluoride
_____	gamma-BHC	_____	trans-1,2 Dichloroethane (2-Dichloroethylene)	_____	Methyl ethyl ketone	_____	Sulfide
_____	Benzene	_____	2,4-Dichlorophenol	_____	Methyl isobutyl ketone	_____	Antimony
_____	Benzo(a)anthracene	_____	2,6-Dichlorophenol	_____	Methyl methacrylate	_____	Arsenic
_____	Benzo(b)fluoranthene	_____	1,2-Dichloropropene	_____	Methyl methanesulfonate	_____	Barium
_____	Benzo(k)fluoranthene	_____	cis-1,3 Dichloropropene	_____	Methyl parathion	_____	Beryllium
_____	Benzo(g,h,i)perylene	_____	trans-1,3 Dichloropropene	_____	Naphthalene	_____	Cadmium
_____	Benzo(s)pyrene	_____	Dieldrin	_____	2-Naphthylamine	_____	Chromium (total)
_____	Bromodichloromethane	_____	Diethyl phthalate	_____	p-Nitroaniline	_____	Copper
_____	Bromoform	_____	2,4-Dimethyl phenol	_____	Nitrobenzene	_____	Lead
_____	Bromomethane (methyl bromide)	_____	Dimethyl phthalate	_____	5-Nitro-o-toluidine	_____	Mercury
_____	4-Bromophenyl phenyl ether	_____	Di-n-butyl phthalate	_____	4-Nitrophenol	_____	Nickel
_____	n-Butyl alcohol	_____	1,4-Dinitrobenzene	_____	N-Nitrosodimethylamine	_____	Selenium
_____	Butyl benzyl phthalate	_____	4,6-Dinitro-o-cresol	_____	N-Nitrosodimethylamine	_____	Silver
_____	2-sec-Butyl-4,6-dinitrophenol	_____	2,4-Dinitrophenol	_____	N-Nitroso-di-n-butylamine	_____	Thallium
_____	Carbon disulfide	_____	2,4-Dinitrotoluene	_____	N-Nitrosomethylmethylaniline	_____	Vanadium
_____	Carbon tetrachloride	_____	2,6-Dinitrotoluene	_____	N-Nitrosomorpholine	_____	TOLUENE
_____	Chlordane	_____	Di-n-octyl phthalate	_____	N-Nitrosomopipicidine	_____	
_____	p-Chloroaniline	_____	Di-n-propylnitrosamine	_____	N-Nitrosopyrrolidine	_____	
_____	Chlorobenzene	_____	Disulfoton	_____	Parathion	_____	
_____	Chlorobenzilate	_____	Endosulfan I	_____	Pentachlorobenzene	_____	
_____	Chlorodibromomethane	_____	Endosulfan II	_____	Pentachlorodibenzo-furans	_____	
_____	Chloroethane	_____	Endosulfan sulfate	_____	Pentachlorodibenzo-p-dioxins	_____	
_____	1-Chloro-1,3-butadiene	_____	Endrin	_____	Pentachloronitrobenzene	_____	
_____	bis-(2-chloroethoxy) methane	_____	Endrin aldehyde	_____	Pentachlorophenol	_____	
_____	bis-(2-chloroethyl) ether	_____	Ethyl acetate	_____	Phenacetic	_____	
_____	Chloroform	_____	Ethyl benzene	_____	Phenanthrene	_____	
_____	bis(2-chloroisopropyl) ether	_____	Ethyl cyanide	_____	Phenol	_____	
_____	p-Chloro-m-cresol	_____	Ethyl ether	_____	Phosite	_____	
_____	Chloromethane (methyl chloride)	_____	bis-(2-ethylhexyl) phthalate	_____	Phthalic Anhydride	_____	
_____	2-Chloronaphthalene	_____	Ethyl methacrylate	_____	Phthalimide	_____	
_____	2-Chlorophenol	_____	Ethylene oxide	_____	Pyrene	_____	
_____	3-Chloropropene (3-Chloropropylene)	_____	Famphar	_____	Pyridine	_____	
_____	Chrysene	_____	Fluoranthene	_____	Sulfate	_____	
_____	o-Cresol	_____	Fluorene	_____	Sulfon(2,4,5-TP)	_____	
_____	Cresol (m&p isomers)	_____	Fluorochloromethane	_____	2,4,5-T	_____	
_____	Cyclohexanone	_____	Hepachlor	_____	1,2,4,5-Tetrachlorobenzene	_____	

*Please use photocopies of this form to identify the UHCs for each lab code as appropriate.

877490317

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

D.O.T. PROPER
SHIPPING NAME: White solid Acetone

E.P.A. WASTE
TYPE CODE: 202 UN/NA: 1713 2c II

PAGE 1 OF 1 DATE 5/16/95

IM NO.: 53 CONTAINER: 17 11

877490318

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

D.O.T. PROPER
SHIPPING NAME: Wettable Grout - Alkali

E.P.A. WASTE
TYPE CODE: 2-00 UN/NA: 17.9 26

PAGE 1 OF 1 DATE 5/6/97

DRUM NO.: 55 CONTAINER: 529.1

877490319

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

DISPOSAL CODE: 100001 LAB CODE: LP5184

SHIPPING NAME: Waste Conversion Inc. to NYS

TYPE CODE: 0002 UN/NA: 1700 051

PAGE 1 OF 1 DATE 7/7/91

199 May 4.

Lab. NJ 77044

A ID NO.: AF-0 001315282

INVEST NO.: PA-1828551-B

UM NO.: 57 CONTAINER: indf.

[illegible]

Lab Pack Division
2337 North Penn Rd.
Hatfield, PA 19440
Phone (215) 822-2676
Fax (215) 997-1315

D.O.T. PROPER

SHIPPING NAME: Whole Foods MarketHAZARD CLASS: 3

E.P.A. WASTE

TYPE CODE: 2001, 2002 UN/NA: 29.24

PAGE 1 OF 1 DATE 5/16/19

G RATOR: AJ 90-106107-25

99 Ad = a sheet

62 UT 07614

EPA ID NO.: NJD-001315222

MANIFEST NO.: PAGE 122 ~~123~~ 251-A

DRUM NO.: 56 CONTAINER: 500.1

TOTAL WEIGHT: 2#

877490321

REPUBLIC
ENVIRONMENTAL
SYSTEMS
LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

 Generator Name: Nezz Technology, Inc.

 Generator EPA ID Number: MSD 001315282

 Manifest Number: PAE1828422

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Approval/Lab Code	Manifest Line # (e.g., 11(a), 11(b))	W W	N W W	List the EPA Waste Codes, Subcategories and/or Constituent(s) of Concern	UHCs* (Y or N)	Classification Group
ED 38312	11a		X	2001 High TOC ignitable liquids	N	A
AD 38313	11b		X	2001 High TOC ignitable liquids	N	A

W.W. - Wastewater

N.W.W. - Non-Wastewater

* The Underlying Hazardous Constituents (UHCs) must be identified for waste streams with the EPA Waste Codes F001-F005, F039, D001 (not treated by CMBST or RORGS), D002, D012-D043 (if treated in non-CWA, non-CWA equivalent or non-SDWA facilities). Please complete and attach an Underlying Hazardous Constituents Table sheet (photocopy as necessary) for each affected Approval/Lab Code.

Classification Groups

- A. Restricted wastes which require treatment.
- B. Restricted wastes already treated to meet LDR Treatment Standards.
- C. Restricted wastes treated with a Specified Technology.
- D. Restricted waste that meet LDR Treatment Standards without prior treatment.
- E. Restricted wastes subject to an Exemption or Variance.
- F. Hazardous debris subject to Alternative Treatment Standards in 40 CFR 268.45 (List Contaminants).
- G. Hazardous debris subject to Treatment Standards in 40 CFR 268.40.
- H. Lab Pack wastes subject to Alternative Treatment Standards under 40 CFR 268.42(c).
- I. Wastes already treated to remove hazardous characteristic(s) but require further treatment for underlying hazardous constituents (list constituents).

The following certification statements correspond to the Classification Groups as specified below:

Classification Group B:

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and that, based on my inquiry of those individuals immediately responsible for obtaining this information, I believe that the treatment process has been operated and maintained properly so as to comply with the performance levels specified in 40 CFR 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d) without impermissible dilution of the prohibited waste. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

Classification Group C:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.42. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonments."

Classification Group D:

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D of all applicable prohibitions set forth in 40 CFR 268.32 or RCRA section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

Classification Group H:

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes which have not been excluded under appendix IV to 40 CFR part 268 or solid wastes not subject to regulation under 40 CFR part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

Classification Group I:

"I certify under penalty of law that the waste has been treated in accordance with the requirements of 40 CFR 268.40 to remove the hazardous characteristic. This decharacterized waste contains underlying hazardous constituents that require further treatment to meet universal treatment standards. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature:

Al Gadalski

Title:

QC

Date:

5/17/95

UNDERLYING HAZARDOUS CONSTITUENTS TABLE

Page 20

Lab Code: _____

Manifest No: PAE 182842

For F001-F005, F039, D001, D002 & D012-D043 Waste Streams

Please identify those constituents which are reasonably expected to be present in the waste referenced above.

☒ Check if none of the Underlying Hazardous Constituents (UHCs) are present in this waste.

(✓) Constituents	(✓) Constituents	(✓) Constituents	(✓) Constituents
Acetone	Dibenz(a,e)pyrene	Heptachlor epoxide	Tetrachlorodibenzo-furans
Acenaphthalene	1-2-Dibromethane (ethylene dibromide)	Hexachlorobenzene	Tetrachlorodibenzo-p-dioxins
Acenaphthylene	Dibromomethane	Hexachlorobutadiene	1,1,1,2-Tetrachloroethane
Acetonitrile	2,4-Dichlorophenoxyacetic acid	Hexachlorocyclopentadiene	1,1,2,2-Tetrachloroethane
Acetophenone	Diphenylamine	Hexachlorodibenzo-furans	Tetrachloroethane (Tetrachloroethylene)
2-acetylaminothiophene	1,2-Diphenyl hydrazine	Hexachlorodibenzo-p-dioxins	2,3,4,6-Tetrachlorophenol
Acrylonitrile	Diphenyl Nitrosamine	Hexachloroethane	Toluene
Aldrin	o,p-DDD	Hexachloropropene	1,2,4-Trichlorobenzene
Aldrin	p,p-DDD	Indeno(1,2,3-c,d)pyrene	1,1,1-Trichloroethane
Aniline	o,p-DDE	Iodanthene	1,1,2-Trichloroethylene
4-Aminobiphenyl	p,p-DDE	Iodobenzene	Trichloroethylene
Anthracene	o,p-DDT	Iodolin	2,4,5-Trichlorophenol
Aroclor 1016	p,p-DDT	Isonitrole	2,4,6-Trichlorophenol
Aroclor 1221	Dibenz(a,h)anthracene	Kepone	1,2,3-Trichloropropene
Aroclor 1232	o-Dichlorobenzene	Methacrylonitrile	1,1,2-Trichloro-1,2,2-trifluoroethane
Aroclor 1242	m-Dichlorobenzene	Methapyrene	tris(2,3-Dibromopropyl) phosphate
Aroclor 1248	p-Dichlorobenzene	Methanol	Vinyl chloride
Aroclor 1254	Dichlorodifluoromethane	Methoxychlor	Xylene(s)
Aroclor 1260	1,1-Dichloroethane	3-Methylchlorobenzene	INORGANIC CONSTITUENTS
alpha-BHC	1,2-Dichloroethane	4,4 Methylene bis (2-chloroaniline)	Cyanides (Total)
beta-BHC	1,1-Dichloroethylene	Methylene chloride	Fluoride
gamma-BHC	trans-1,2 Dichloroethane (2-Dichloroethylene)	Methyl ethyl ketone	Sulfide
Benzene	2,4-Dichlorophenol	Methyl isobutyl ketone	Antimony
Benz(a)anthracene	2,6-Dichlorophenol	Methyl methacrylate	Arsenic
Benz(b)fluoranthene	1,2-Dichloropropene	Methyl methacrylate	Berium
Benz(k)fluoranthene	cis-1,3 Dichloropropene	Methyl parathion	Beryllium
Benz(g,h,i)perylene	trans-1,3 Dichloropropene	Naphthalene	Cadmium
Benz(a)pyrene	Dieldrin	2-Naphthylamine	Chromium (total)
Bromodichloromethane	Diethyl phthalate	p-Nitroaniline	Copper
Bromoform	2,4-Dimethyl phenol	Nitrobenzene	Lead
Bromomethane (methyl bromide)	Dimethyl phthalate	5-Nitro-o-toluidine	Mercury
4-Bromophenyl phenyl ether	Di-n-butyl phthalate	4-Nitrophenol	Nickel
n-Butyl alcohol	1,4-Dinitrobenzene	N-Nitrosodimethylamine	Selenium
Butyl benzyl phthalate	4,6-Dinitro-o-cresol	N-Nitrosodimethylamine	Silver
2-sec-Butyl-4,6-dinitrophenol	2,4-Dinitrophenol	N-Nitroso-di-n-butylamine	Thallium
Carbon disulfide	2,4-Dinitrotoluene	N-Nitrosomethylethylamine	Vanadium
Carbon tetrachloride	2,6-Dinitrotoluene	N-Nitrosomorpholine	TOLUENE
Chlordane	Di-n-octyl phthalate	N-Nitrosopiperidine	
p-Chloroaniline	Di-n-propylbutylamine	N-Nitrosopyrrolidine	
Chlorobenzene	Disulfoton	Parathion	
Chlorobenzilate	Endosulfan I	Pentachlorobenzene	
Chlorodibromomethane	Endosulfan II	Pentachlorodibenzo-furans	
Chloroethane	Endosulfan sulfate	Pentachlorodibenzo-p-dioxins	
2-Chloro-1,3-butadiene	Endrin	Pentachloronitrobenzene	
bis-(2-chloroethoxy) methane	Endrin aldehyde	Pentachlorophenol	
bis-(2-chloroethyl) ether	Ethyl acetate	Phenacetin	
Chloroform	Ethyl benzene	Phenanthrene	
bis(2-chloroisopropyl) ether	Ethyl cyanide	Phenol	
p-Chloro-m-cresol	Ethyl ether	Phorate	
Chloromethane (methyl chloride)	bis-(2-ethylhexyl) phthalate	Phthalic Anhydride	
2-Chloronaphthalene	Ethyl methacrylate	Promide	
2-Chlorophenol	Ethylene oxide	Pyrene	
3-Chloropropene (3-Chloropropylene)	Famphur	Pyridine	
Chrysene	Fluorene	Safrole	
o-Cresol	Fluoranthene	Silvex(2,4,5-TP)	
Cresol (m&p isomers)	Fluorotrichloromethane	2,4,5-T	
Cyclohexane	Heptachlor	1,2,4,5-Tetrachlorobenzene	

REPUBLIC ENVIRONMENTAL SYSTEMS (PENNSYLVANIA), INC.

2869 Sandstone Drive / Hatfield, Penna. 19440

Date <u>5/17/95</u> Received, subject to the classification and tariffs in effect on the date of issue of this original Bill of Lading.	STRAIGHT BILL OF LADING NON NEGOTIABLE	COMMONWEALTH OF PENNSYLVANIA DEPT. OF ENVIRONMENTAL RESOURCES BUREAU OF SOLD WASTE MANAGEMENT PROCESSING FACILITY PERMIT NO. 300694
DATE OF PICKUP <u>5/17/95</u> EPA IDENTIFICATION CODE NO. <u>NTD 0013152 82</u>		
GENERATOR <u>Napp Technologies</u> ADDRESS <u>199 Main Street</u> <u>Leola</u> STATE <u>NJ</u> ZIP <u>07644</u> PHONE <u>(201) 733-3900</u>		

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit Wt./Vol.	Waste No.
	No.	Type			
RQ, Waste N, N-Dimethyl Formamide UN2265, PG II (D001)	001	DM	55 G		D001
RQ, Waste Heptane, 3, UN1206 PG II (D001)	001	DM	55 G		D001

Additional Information/Lab Code	
ED 38312	c
AD 38313	d

SPECIAL HANDLING INSTRUCTIONS/COMMENTS Contract No. _____	PLACARDS PROVIDED/AFFIXED	
	1. <u>Flammable</u> 2. _____	DRIVER'S SIGNATURE X <u>Mark Ott</u>
EMERGENCY INFORMATION!!! Generator, (print) <u>(201) 733-3900</u>		CALL: CHEMTREX 1-800-424-9300 Phone No. A/C _____

GENERATOR CERTIFICATION:
 I certify that the materials described above are properly described, classified, packaged, marked and labeled and are in proper condition to be transported in commerce under the applicable regulations of the Federal Environmental Protection Agency and the Federal Department of Transportation, and that all times and delays are correct as noted.

Print Name Al GAZDARSKI Signature Al GAZDARSKI Date Shipped 5/17/95

TRANSPORTER		EPA IDENTIFICATION CODE NO. <u>PAD 982661381</u>	
COMPANY <u>Republic Env. Sys. (Trans Group)</u> ADDRESS <u>21 Church Rd.</u> <u>Hatfield</u> STATE <u>PA</u> ZIP <u>19440</u> PHONE <u>(215) 822-2676</u>			
I am to certify acceptance of the above described waste for transportation. INT NAME <u>Mark Ott</u> SIGNATURE <u>Mark Ott</u> DATE <u>5/17/95</u>			

	A.M.	P.M.		A.M.	P.M.
PARTED _____			ARRIVE REPUBLIC ENVIRONMENTAL _____		
ARRIVAL AT CUSTOMER _____			TOTAL DELAY TIME _____		
STARTED LOADING _____			REASON FOR DELAY _____		
ENDED LOADING _____					
PARTED CUSTOMER _____			TRACTOR NO. _____ TRAILER NO. _____		

SIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY		EPA IDENTIFICATION CODE NO. <u>PAD 085690592</u>	
SIGNED TO <u>Republic Env. Sys. (CPA)</u> ADDRESS _____ <u>Hatfield</u> STATE <u>PA</u> ZIP <u>19440</u> PHONE <u>(215) 822-8995</u>			
I am to certify the acceptance of this waste for treatment storage disposal. INT NAME _____ SIGNATURE _____ DATE _____			



PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES

Bureau of Waste Management

P.O. Box 8550

Harrisburg, PA 17105-8550

Form approved.

OMB No. 2050-01

Expires 9-30-84

ER-WM-51 REV. 1/91

OFFICIAL PENNSYLVANIA MANIFEST FORM

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law but is required by State law.	
Generator's Name and Mailing Address		NJ D 001 315282128422		A. State Manifest Document Number PAE 1828422		
4. Generator's Phone (201) 733-3900		Napp Technologies Inc. 199 Main Street Lodi, NJ 07644		B. State Gen. ID Same		
5. Transporter 1 Company Name		6. US EPA ID Number		C. State Trans. ID		
Republic Env. Sys. (PA)		IPAD 085690592		PA- 111111		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone		
Republic Env. Sys. (Trans Group)		IPAD 982661381		(215) 822-8		
9. Designated Facility Name and Site Address		10. US EPA ID Number		E. State Trans. ID		
Republic Environmental Systems (PA) Inc. 2869 Sandstone Drive Hatfield, PA 19440		IPAD 085690592		PA- AH1103171		
F. Transporter's Phone		G. State Facility's ID		H. Facility's Phone		
(215) 822-2				(215) 822-899		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		
		No. Type		Unit Wt/Vol		
a. RQ, Waste N, N Dimethylformamide, 3 UN 2265, PG III (D001)		001 DM		000556 D000		
b. RQ, Waste Heptane, 3, UN1206, PG II (D001)		001 DM		000556 D000		
c.						
d.						
Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above				
Lab Pack Physical State Lab Pack Physical State		a. SO1 c.				
b. LI (ED38312)		d. LI (AD38313)		b. SO1 d.		
15. Special Handling Instructions and Additional Information		T-117		Emergency Phone (201) 733-3900		
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.						
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name		Signature		MONTH DAY		
Al GAZDalski		Al GAZDalski		105171		
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		MONTH DAY		
Printed/Typed Name		Signature		MONTH DAY		
Mark Ott		Mark Ott		105171		
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		MONTH DAY		
Printed/Typed Name		Signature		MONTH DAY		
19. Discrepancy Indication Space		Signature		MONTH DAY		
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.		Signature		MONTH DAY		
Printed/Typed Name		Signature		MONTH DAY		



Recycling Treatment & Disposal of Hazardous Waste

217 South First Street, Elizabeth, NJ 07206 • 908-355-5800, FAX: 908-355-0562

CYCLE CHEM, INC.
217 S. FIRST ST.
ELIZABETH NJ 07206
NJD002200046

**LAND DISPOSAL RESTRICTIONS
NOTIFICATION AND CERTIFICATION FORM**

Generator NAPP Technologies Inc Manifest Number 2102322
 USEPA ID No. N3D001315282
 Is Waste Analysis available? ☒ No ☐ Yes, Copy Attached

I. MANIFEST INFORMATION

LINE ITEM	WW NWW	LIST ALL EPA HAZARDOUS WASTE CODES (RCRA CODES)	CCI PRODUCT CODES
<u>1</u>	<u>nww</u>	<u>X-400</u>	

I. 268.9 SPECIAL REQUIREMENTS FOR WASTES THAT EXHIBIT A CHARACTERISTIC

The wastes identified below contains underlying hazardous constituents as defined in 268.38

LINE ITEM	EPA NO.	TREATABILITY GROUP
ABCD_	D001	Ignitable Characteristic Wastes, except for the 261.21 (a) (1) High TOC Subcategory, that are managed in non-CWA/ non-CWA equivalent/ non-Class 1 SDWA Systems.
ABCD_	D002	Corrosive Characteristic Wastes, that are managed in non-CWA/ non-CWA equivalent/ non-Class 1 SDWA Systems.
ABCD_	D012-D043	Wastes that are TC based on the TCLP in SW846 Method 1311.

UNDERLYING HAZARDOUS CONSTITUENTS
D001, D002, D012-D043 OR F039 WASTES

ABCD_		ABCD_	
ABCD_		ABCD_	
ABCD_		ABCD_	
ABCD_		ABCD_	
ABCD_		ABCD_	

II. LAB PACK CERTIFICATION

For line items, _____, _____, _____, _____, _____, _____, _____, _____

I certify under penalty of law that I personally have examined and am familiar with the waste and that the pack contains only wastes which have not been excluded under appendix IV to 40 CFR Part 268, or are wastes not subject to regulation under 40 CFR Part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

IV. RESTRICTED WASTE NOTIFICATION

877490327

LINE ITEM	RCRA CODE	WW	NWW	APPLICABLE SUBCATEGORY
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	

V. F001 - F005 SPENT SOLVENT WASTES CONSTITUENT(S)

ABCD_ F001	ABCD_ F002	ABCD_ F003	ABCD_ F004	ABCD_
ABCD_ acetone		ABCD_ ethyl ether		
ABCD_ benzene		ABCD_ methanol		
ABCD_ n-butyl alcohol		ABCD_ methylene chloride		
ABCD_ iso-butyl alcohol		ABCD_ methyl ethyl ketone		
ABCD_ carbon disulfide		ABCD_ methyl isobutyl ketone		
ABCD_ carbon tetrachloride		ABCD_ nitrobenzene		
ABCD_ chlorobenzene		ABCD_ pyridine		
ABCD_ m-cresol		ABCD_ tetrachloroethylene		
ABCD_ o-cresol		ABCD_ toluene		
ABCD_ p-cresol		ABCD_ 1,1,1-trichloroethane		
ABCD_ cresylic acid		ABCD_ 1,1,2-trichloroethane		
ABCD_ cyclohexanone		ABCD_ trichloroethylene		
ABCD_ o-dichlorobenzene		ABCD_ trichloromonofluoromethane		
ABCD_ ethyl acetate		ABCD_ 1,1,2-trichloro-1,2,2-trifluoroethane		
ABCD_ ethyl benzene		ABCD_ xylenes		

VI. CALIFORNIA LIST WASTES

ABCD_ NICKEL \geq 134 mg/l
 ABCD_ LIQUIDS WITH PCB's \geq 50 PPM
 ABCD_ THALLIUM \geq 130 mg/l
 ABCD_ HALOGENATED ORGANIC CARBON (HOC's) \geq 1000 mg/l

VII. NON HAZARDOUS WASTE CERTIFICATION

I certify that the following manifest line items are not subject to any land disposal restrictions as specified in CFR Subpart D and all applicable prohibitions set forth in Part 268 or RCRA Section 3004 (d).

ABCD_ NON HAZ CODE X400 ABCD_ NON HAZ CODE _____
 ABCD_ NON HAZ CODE _____ ABCD_ NON HAZ CODE _____

VIII. CERTIFICATION

"I notify that I personally examined and am familiar with the waste through analysis and testing or the knowledge of the waste to support this notification that the waste described on this page does not comply with treatment standards specified in 40 CFR 268, Subpart D or RCRA Section 3004(d), and all applicable prohibitions set forth in appropriate regulatory treatment standards prior to land disposal."

Signature: Al Gardalski Date: 5/18/95
 Print Name: Al Gardalski Title: QC Revision: _____

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421

Use type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039 Expires 9-30-96

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest
Document No.

2. Page 1
of 1

Information in the shaded areas
is not required by Federal law.

Generator's Name and Mailing Address

A. State Manifest Document Number

NJA 2102322

B. State Generator's ID (Gen. Site Address)

4. Generator's Phone ()

5. Transporter 1 Company Name

6. US EPA ID Number

C. State Trans. ID-NJDEPE

Decal No. -

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone ()

E. State Trans. ID-NJDEPE

Decal No. -

9. Designated Facility Name and Site Address

10. US EPA ID Number

F. Transporter's Phone ()

G. State Facility's ID

H. Facility's Phone ()

11. US DOT Description (including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)

12. Containers
No. Type

13. Total
Quantity

14. Unit
Wt/Vol

1. Waste No.

Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

5. Special Handling Instructions and Additional Information

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Signature

Month Day Year

Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

Discrepancy Indication Space

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

THIS SHIPPING ORDER. must be legibly filled in, in ink, in indelible pencil, or in Carbon, and retained by the Agent.

Shipper's No. 3-5811

CARRIER: Clean Venture Inc

SCAC

Carrier's No. NO 02382
Date

To: Cycle Chemical
signee 217 S. FIRST ST
Street
Destination Elizabeth NJ Zip 07206

FROM: Napp Chemical INC
Shipper 199 Main ST
Street
Origin LODT NJ Zip 0764

Route: Vehicle Number U.S. DOT Hazmat F

No Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	PACKING GROUP	WEIGHT (subject to correction)	RATE	LABELS (per)
<u>14</u>		<u>Empty drums</u> <u>NON DOT / NON RCRA</u>	<u>NO HAZ</u>					<u>NC</u>

Remit C.O.D. to: Address: City: State: Zip: COD Amt: \$ C. O. D. FE Prepaid Collect

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ Per

Subject to Section 7 of the conditions, if the shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges (Signature of Consignor)

FREIGHT CHA PREPAID

RECEIVED. subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property or contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his agents to carry that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

PLACARDS REQUIRED

PLACARDS SUPPLIED

YES NO - FURNISHED BY DRIVERS SIGNATURE:

SHIPPER: NAPP CHEMICAL INC

CARRIER: Clean Venture INC

PER: Al Magdalen

PER: David Thomas

DATE: 5/18/95

DATE: 05/18/95

EMERGENCY RESPONSE TELEPHONE NUMBER: 908 442-4900

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

Agent must detach and retain this Shipping Order and must sign the Original

877490329

217 South First Street, Elizabeth, NJ 07206 • 908-355-5800, FAX: 908-355-0562

**LAND DISPOSAL RESTRICTIONS
NOTIFICATION AND CERTIFICATION FORM**

Generator Napp Chemical INC Manifest Number _____
EPA ID No. NJD 001315282
Waste Analysis available? X No _____ Yes, Copy Attached

LINE ITEM	WW NWW	LIST ALL EPA HAZARDOUS WASTE CODES (RCRA CODES)	CCI PRODUCT CODES
a)	NWW	X900	MSP051
b)	NWW	F003, D001	IK

E ITEM	EPA NO.	TREATABILITY GROUP
CD_	D001	Ignitable Characteristic Wastes, except for the 261.21 (a) (1) High TOC Subcategory, that are managed in non-CWA/ non-CWA equivalent/ non-Class 1 SDWA Systems.
CD_	D002	Corrosive Characteristic Wastes, that are managed in non-CWA/non-CWA equivalent/ non-Class 1 SDWA Systems.
CD	D012-D043	Wastes that are TC based on the TCLP in SW846 Method 1311.

**DERLYING HAZARDOUS CONSTITUENTS
D1, D002, D012-D043 OR F039 WASTES**

ABCD	_____	ABCD	_____
ABCD	_____	ABCD	_____
ABCD	_____	ABCD	_____
ABCD	_____	ABCD	_____
ABCD	_____	ABCD	_____

line items, _____, _____, _____, _____, _____, _____, _____
 _____, _____, _____, _____, _____, _____, _____

"I certify under penalty of law that I personally have examined and am familiar with the waste and that the land contains only wastes which have not been excluded under appendix IV to 40 CFR Part 268, or solid wastes not subject to regulation under 40 CFR Part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

IV. RESTRICTED WASTE NOTIFICATION

877490331

LINE ITEM	RCRA CODE	WW	NWW	APPLICABLE SUBCATEGORY
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	

V. F001 - F005 SPENT SOLVENT WASTES CONSTITUENT(S)

ABCD_ F001	ABCD_ F002	ABCD_ <input checked="" type="checkbox"/> F003	ABCD_ F004	ABCD_
ABCD_ acetone		ABCD_ ethyl ether		
ABCD_ benzene		ABCD_ methanol		
ABCD_ n-butyl alcohol		ABCD_ methylene chloride		
ABCD_ iso-butyl alcohol		ABCD_ methyl ethyl ketone		
ABCD_ carbon disulfide		ABCD_ methyl isobutyl ketone		
ABCD_ carbon tetrachloride		ABCD_ nitrobenzene		
ABCD_ chlorobenzene		ABCD_ pyridine		
ABCD_ m-cresol		ABCD_ tetrachloroethylene		
ABCD_ o-cresol		ABCD_ toluene		
ABCD_ p-cresol		ABCD_ 1,1,1-trichloroethane		
ABCD_ cresylic acid		ABCD_ 1,1,2-trichloroethane		
ABCD_ cyclohexanone		ABCD_ trichloroethylene		
ABCD_ o-dichlorobenzene		ABCD_ trichloromonofluoromethane		
ABCD_ ethyl acetate		ABCD_ 1,1,2-trichloro-1,2,2-trifluoroethane		
ABCD_ ethyl benzene		ABCD_ xylenes		

VI. CALIFORNIA LIST WASTES

ABCD_ NICKEL \geq 134 mg/l
 ABCD_ LIQUIDS WITH PCB's \geq 50 PPM
 ABCD_ THALLIUM \geq 130 mg/l
 ABCD_ HALOGENATED ORGANIC CARBON (HOC's) \geq 1000 mg/l

VII. NON HAZARDOUS WASTE CERTIFICATION

I certify that the following manifest line items are not subject to any land disposal restrictions as specified in CFR Subpart D and all applicable prohibitions set forth in Part 268 or RCRA Section 3004 (d).

ABCD_ NON HAZ CODE X900 ABCD_ NON HAZ CODE _____
 ABCD_ NON HAZ CODE _____ ABCD_ NON HAZ CODE _____

VIII. CERTIFICATION

"I notify that I personally examined and am familiar with the waste through analysis and testing or the knowledge of the waste to support this notification that the waste described on this page does not comply with treatment standards specified in 40 CFR 268, Subpart D or RCRA Section 3004(d), and all applicable prohibitions set forth in appropriate regulatory treatment standards prior to land disposal."

Signature: X Al Gazdalski Date: X 5/18/95
 Print Name: X AL GAZDALSki Title: X QC Revis _____



CYCLE CHEM

RECYCLING TREATMENT & DISPOSAL OF HAZARDOUS WASTE

217 SOUTH FIRST STREET
ELIZABETH, NJ 07206
(908) 355-5800

MATERIAL PROFILE SHEETS

PRODUCT CODE _____
PROCESS CODE _____

GENERATOR INFORMATION

35649

GENERATOR US EPA I.D. _____

GENERATOR STATE I.D. _____

GENERATOR NAME Napp Chemical Inc

BILLING ADDRESS 199 Main St

Low. NJ 07044

BILLING ADDRESS IF DIFFERENT

CU 01

CONTACT PR/TOS

TECHNICAL CONTACT

TITLE

PHONE

STREET ADDRESS

50 Ave

NAME OF WASTE

Water 1 EPA

PROCESS GENERATING WASTE

no surface water with carbon

PHYSICAL CHARACTERISTICS OF WASTE

COLOR/VISUAL DESCRIPTION

brown

STRONG INCIDENTAL
ODOR PRESENT?

☐ YES
☒ NO

PHYSICAL STATE @ 70°F

☐ SOLID

☐ SINGLE PHASE

DUMPABLE?

☒ YES ☐ NO

☒ LIQUID

☒ BI-LAYERED

Pumpable?

☐ YES ☐ NO

☐ POWDER

☐ MULTI-LAYERED

Pourable?

☒ YES ☐ NO

☐ SEMI-SOLID

☐ SLUDGE

WASTEWATER

NONWASTEWATER

DESCRIBE

CORROSIVITY (pH)

≤ 2.0

☐ 9.01-12.49

SPECIFIC GRAVITY

☐ < .8

☐ 1.2-1.4

2.01-5

☐ ≥ 12.50

☒ .8-1.0

☐ 1.4-1.7

5.01-9

☐ EXACT pH

☐ 1.0-1.2

☐ > 1.7

☐ EXACT

FLASH POINT

☐ < 70°F

☐ > 200°F

☐ 70°F - 100°F

☐ NO FLASH

☐ 101°F - 141°F

☐ EXACT > 141

☐ 142°F - 200°F

IGNITABLE (if solid)

☐ YES ☐ NO

☐ CLOSED CUP

☐ OPEN CUP

LIQUID/SOLID

% Total Solids

% Suspended Solids

% Dissolved Solids

% Free Liquids

100

OTHER HAZARDOUS CHARACTERISTICS

INDICATE IF THIS WASTE IS:

☐ RCRA REACTIVE

☐ WATER REACTIVE

☐ RADIOACTIVE

☐ OXIDIZING MATERIAL

☐ PYROPHORIC

☐ SUBJECT TO NESHAP SUBPART FF

BENZENE REGULATIONS

☐ ETIOLOGICAL

☐ PESTICIDE MANUFACTURING WASTE

☐ EXPLOSIVE/SHOCK SENSITIVE

☒ NONE OF THE ABOVE

SPECIAL HANDLING CONSIDERATIONS

CV 5299

Item # 52, 53, 54

CHEMICAL COMPOSITION

water

Isopropanol

RANGE
MIN.-MAX.

50 - %

50 - %

- %

- %

- %

- %

- %

- %

- %

- %

TOTAL (MUST BE ≥ 100%) 100 %

2. INDICATE IF THIS WASTE CONTAINS ANY OF THE FOLLOWING:

NONE or LESS THAN or ACTUAL

PCB's ☒ ☐ < 50 ppm ppm

Cyanides ☒ ☐ < 250 ppm ppm

Phenolics ☒ ☐ < 50 ppm ppm

Sulfides ☒ ☐ < 500 ppm ppm

☐ MSDS ATTACHED

☐ SUPPLEMENTAL ANALYSIS ATTACHED

DESCRIBE:

CHEMICALS LISTED ON MSDS MUST BE INCLUDED IN THIS SECTION.

SO LIST ALL SUBSTANCES REGULATED UNDER
EPA 1910.1000, SUBPART Z.

NO. OF PAGES ATTACHED: _____

877490332

E. METALS/ORGANICS (mg/kg or ppm)

☐ EP TOX ☒ TCLP ☐ TOTAL

METAL	EP TOX EPA CODE	LESS THAN	ACTUAL	METAL	EP TOX EPA CODE	LESS THAN	ACTUAL
Arsenic	D004	<input type="checkbox"/> < 5.0	_____	Hexachlorobenzene	D032	<input type="checkbox"/> < 0.13	_____
Barium	D005	<input type="checkbox"/> < 100	_____	Hexachloro-1,3-butadiene	D033	<input type="checkbox"/> < 0.5	_____
Benzene	D018	<input type="checkbox"/> < 0.5	_____	Hexachloroethane	D034	<input type="checkbox"/> < 3.0	_____
Cadmium	D006	<input type="checkbox"/> < 1.0	_____	Lead	D008	<input type="checkbox"/> < 5.0	_____
Carbon tetrachloride	D019	<input type="checkbox"/> < 0.5	_____	Lindane	D013	<input type="checkbox"/> < 0.4	_____
Chlordane	D020	<input type="checkbox"/> < 0.03	_____	Mercury	D009	<input type="checkbox"/> < 0.2	_____
Chlorobenzene	D021	<input type="checkbox"/> < 100.0	_____	Methoxychlor	D014	<input type="checkbox"/> < 10.0	_____
Chloroform	D022	<input type="checkbox"/> < 8.0	_____	Methyl ethyl ketone	D035	<input type="checkbox"/> < 200.0	_____
Chromium	D007	<input type="checkbox"/> < 5.0	_____	Nitrobenzene	D036	<input type="checkbox"/> < 2.0	_____
o-Cresol	D023	<input type="checkbox"/> < 200.0	_____	Pentachlorophenol	D037	<input type="checkbox"/> < 100.0	_____
m-Cresol	D024	<input type="checkbox"/> < 200.0	_____	Pyridine	D038	<input type="checkbox"/> < 5.0	_____
p-Cresol	D025	<input type="checkbox"/> < 200.0	_____	Selenium	D010	<input type="checkbox"/> < 1.0	_____
Cresol	D026	<input type="checkbox"/> < 200.0	_____	Silver	D011	<input type="checkbox"/> < 5.0	_____
2,4-D	D016	<input type="checkbox"/> < 10.0	_____	Tetrachloroethylene	D039	<input type="checkbox"/> < 0.7	_____
1,4-Dichlorobenzene	D027	<input type="checkbox"/> < 7.5	_____	Toxaphene	D015	<input type="checkbox"/> < 0.5	_____
1,2-Dichloroethane	D028	<input type="checkbox"/> < 0.5	_____	Trichloroethylene	D040	<input type="checkbox"/> < 0.5	_____
1,1-Dichloroethylene	D029	<input type="checkbox"/> < 0.7	_____	2,4,5-Trichlorophenol	D041	<input type="checkbox"/> < 400.0	_____
2,4-Dinitrotoluene	D030	<input type="checkbox"/> < 0.13	_____	2,4,6-Trichlorophenol	D042	<input type="checkbox"/> < 2.0	_____
Endrin	D012	<input type="checkbox"/> < 0.02	_____	2,4,5-TP (Silvex)	D017	<input type="checkbox"/> < 1.0	_____
Heptachlor			_____	Vinyl chloride	D043	<input type="checkbox"/> < 0.2	_____
(and its hydroxide)	D031	<input type="checkbox"/> < 0.008	_____	Copper	NA	<input type="checkbox"/> < 100.0	_____
			_____	Zinc	NA	<input type="checkbox"/> < 500.0	_____

F. LIQUID WASTE CHARACTERIZATION
Fuels and WWT CandidatesORGANIC PHASE _____ %
+ AQUEOUS PHASE _____ % = 1

RANGE

HEAT VALUE _____

TOTAL HALOGENS _____ %

ASH CONTENT _____

% SULFUR ☐ < 0.5% _____

BS&W _____

WATER CONTENT _____

VISCOSITY (cps): _____ @ _____

TOC _____ mg/l

COD _____ mg/l

BOD _____ mg/l

OIL & GREASE _____ mg/l

TOX _____ mg/l

HOC _____ mg/l

G. SHIPPING/MANIFEST INFORMATION

SHIPMENT METHOD

☐ BULK LIQUID ☐ OTHER (SPECIFY) _____☐ BULK SOLID☐ DT ☐ RO☐ DRUM (SIZE) SSANTICIPATED VOLUME ☐ GALS. ☒ DRUMS3 ☐ TONS ☐ CUBIC YDS.(QUANTITY) PER ☐ ONE TIME ☐ QUARTER ☐ YEAR

TRANSPORTER: _____

TRANSPORTER PHONE/CONTACT: _____

TRANSPORTER USEPA I.D. _____

REGULATORY INFORMATION

USEPA HAZARDOUS WASTE? ☐ YES ☒ NO

USEPA HAZARDOUS CODE(S) _____

APPLICABLE SUBCATEGORIES _____

STATE HAZARDOUS WASTE? ☐ YES ☒ NOSTATE CODE(S) 770D.O.T. HAZARDOUS WASTE? ☐ YES ☒ NO

PROPER SHIPPING NAME _____

CLASS 9 I.D. NO. _____ P.G. _____ R.Q. _____

H. WASTE CERTIFICATION

- Does this waste material contain polychlorinated biphenyls? YES _____ NO ☒
- Does this waste material contain herbicides or pesticides as described in the 40 CFR Part 261.24 Table #1, Waste Nos. D012-D017? YES _____ NO ☒
- Does this waste material contain or ever contain the listed "spent" solvents which would classify the waste as any or all EPA Waste Nos. F001, F002, F004, F005 as per 40 CFR Part 261.31? YES _____ NO ☒
- Does this waste material contain leachable levels of any of the metals covered by EPA Waste Nos. D004 thru D011 as per 40 CFR Part 261.24? YES _____ NO ☒
- Does this waste contain any dioxins as specified by 40 CFR Part 261.31 Waste Nos. F020, F021, F022, F023, F026, F027, F028? YES _____ NO ☒
- Is this waste material a "California List" waste, as per 40 CFR Part 268.32? YES _____ NO ☒ PCB \geq 50 Ni
HOC \geq 1000 Th
- Does this waste material contain D018-D043 as per 40 CFR Part 261.24? YES _____ NO ☒
- Does this waste material contain "U", "K" or "P" wastes as defined per 40 CFR Part 261.32 and 261.33? YES _____ NO ☒
- Is this waste considered non-hazardous by USEPA standard? YES ☒ NO ☒
- Is this waste characteristic for D001, D002 and D018-D043 and will be managed in non-CWA, non-CWA equivalent and non-Class I SDWA systems (except for CFR Part 261.21 (a) (1) High TOC subcategory)? Yes _____ No _____
Does this waste contain any underlying hazardous constituents as defined in 40 CFR Part 268.2 (i)? Yes _____ No ☒

If yes, please list constituents in section D

GENERATOR CERTIFICATION

I hereby certify that all information submitted in this and all attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed.

If CYCLE CHEM discovers, after having taken delivery of the waste, that any waste does not conform to the identification and description on this manifest, then CYCLE CHEM shall provide notice of such condition to the Generator and coordinate the return of the nonconforming waste to the point of origin or to such other locations designated in writing by the Generator. Generator agrees to reimburse CYCLE CHEM for all handling, packaging, clean up and transportation costs or charges, damage to equipment, and costs associated with lost time incurred by CYCLE CHEM during receipt, handling, temporary storage and return of such nonconforming waste to point of origin or to such other location designated by Generator.

Authorized Signature

Name (Print or Type)

Title

Date

877490333

E. METALS/ORGANICS (mg/kg or ppm)

☐ EP TOX ☐ TCLP ☐ TOTAL

METAL	EP TOX EPA CODE	LESS THAN	ACTUAL	METAL	EP TOX EPA CODE	LESS THAN	ACTUAL
Arsenic	D004	<input type="checkbox"/> < 5.0		Hexachlorobenzene	D032	<input type="checkbox"/> < 0.13	
Barium	D005	<input type="checkbox"/> < 100		Hexachloro-1,3-butadiene	D033	<input type="checkbox"/> < 0.5	
Benzene	D018	<input type="checkbox"/> < 0.5		Hexachloroethane	D034	<input type="checkbox"/> < 3.0	
Bismuth	D006	<input type="checkbox"/> < 1.0		Lead	D008	<input type="checkbox"/> < 5.0	
Carbon tetrachloride	D019	<input type="checkbox"/> < 0.5		Lindane	D013	<input type="checkbox"/> < 0.4	
Chlordane	D020	<input type="checkbox"/> < 0.03		Mercury	D009	<input type="checkbox"/> < 0.2	
Chlorobenzene	D021	<input type="checkbox"/> < 100.0		Methoxychlor	D014	<input type="checkbox"/> < 10.0	
Chloroform	D022	<input type="checkbox"/> < 6.0		Methyl ethyl ketone	D035	<input type="checkbox"/> < 200.0	
Chromium	D007	<input type="checkbox"/> < 5.0		Nitrobenzene	D036	<input type="checkbox"/> < 2.0	
Cresol	D023	<input type="checkbox"/> < 200.0		Pentachlorophenol	D037	<input type="checkbox"/> < 100.0	
p-Cresol	D024	<input type="checkbox"/> < 200.0		Pyridine	D038	<input type="checkbox"/> < 5.0	
m-Cresol	D025	<input type="checkbox"/> < 200.0		Selenium	D010	<input type="checkbox"/> < 1.0	
o-Cresol	D026	<input type="checkbox"/> < 200.0		Silver	D011	<input type="checkbox"/> < 5.0	
4-D	D016	<input type="checkbox"/> < 10.0		Tetrachloroethylene	D039	<input type="checkbox"/> < 0.7	
1,2-Dichlorobenzene	D027	<input type="checkbox"/> < 7.5		Toxaphene	D015	<input type="checkbox"/> < 0.5	
2-Dichloroethane	D028	<input type="checkbox"/> < 0.5		Trichloroethylene	D040	<input type="checkbox"/> < 0.5	
1,1-Dichloroethylene	D029	<input type="checkbox"/> < 0.7		2,4,5-Trichlorophenol	D041	<input type="checkbox"/> < 400.0	
4-Dinitrotoluene	D030	<input type="checkbox"/> < 0.13		2,4,6-Trichlorophenol	D042	<input type="checkbox"/> < 2.0	
Endrin	D012	<input type="checkbox"/> < 0.02		2,4,5-TP (Silvex)	D017	<input type="checkbox"/> < 1.0	
Endosulfan				Vinyl chloride	D043	<input type="checkbox"/> < 0.2	
Endosulfan sulfate				Copper	NA	<input type="checkbox"/> < 100.0	
Endosulfan thioether				Zinc	NA	<input type="checkbox"/> < 500.0	
Endosulfan thioether sulfate							

F. LIQUID WASTE CHARACTERISTICS
Fuels and WWT CandidatesORGANIC PHASE _____ %
+ AQUEOUS PHASE _____ % = 100%

RANGE

HEAT VALUE _____ BTU/lb
TOTAL HALOGENS _____ % _____ mg/l
ASH CONTENT _____ %
% SULFUR ☐ < 0.5% _____ %
BS&W _____ %
WATER CONTENT _____ %
VISCOSITY (cps): _____ @ _____ °F
TOC _____ mg/l
COD _____ mg/l
BOD _____ mg/l
OIL & GREASE _____ mg/l
TOX _____ mg/l
HOC _____ mg/l

G. SHIPPING/MANIFEST INFORMATION

SHIPMENT METHOD

☒ BULK LIQUID ☐ OTHER (SPECIFY) 65/5
☐ BULK SOLID ☐ DT ☐ RO
☐ DRUM (SIZE) _____

ANTICIPATED VOLUME ☐ GALS. ☒ DRUMS
16 ☐ TONS ☐ CUBIC YDS.
(QUANTITY) PER ☐ ONE TIME ☐ QUARTER ☐ YEAR

TRANSPORTER:

TRANSPORTER PHONE/CONTACT:

TRANSPORTER USEPA I.D. _____

REGULATORY INFORMATION

USEPA HAZARDOUS WASTE? ☐ YES ☐ NO

USEPA HAZARDOUS CODE(S) _____

APPLICABLE SUBCATEGORIES _____

STATE HAZARDOUS WASTE? ☒ YES ☐ NO

STATE CODE(S) _____

D.O.T. HAZARDOUS WASTE? ☐ YES ☐ NOPROPER SHIPPING NAME Bulk of Solvents

CLASS _____ I.D. NO. _____ P.G. _____ R.Q. _____

WASTE CERTIFICATION

Does this waste material contain polychlorinated biphenyls? YES _____ NO X

Does this waste material contain herbicides or pesticides as described in the 40 CFR Part 261.24 Table #1, Waste Nos. D012-D017?

YES _____ NO XDoes this waste material contain or ever contain the listed "spent" solvents which would classify the waste as any or all EPA Waste Nos. F001, F002, F003, F004, F005 as per 40 CFR Part 261.31? YES _____ NO X

Does this waste material contain leachable levels of any of the metals covered by EPA Waste Nos. D004 thru D011 as per 40 CFR Part 261.24?

YES _____ NO X

Does this waste contain any dioxins as specified by 40 CFR Part 261.31 Waste Nos. F020, F021, F022, F023, F026, F027, F028?

YES _____ NO XIs this waste material a "California List" waste, as per 40 CFR Part 268.32? YES _____ NO XPCB \geq 50 Ni \geq 134HOC \geq 1000 Th \geq 130Does this waste material contain D018-D043 as per 40 CFR Part 261.24? YES _____ NO XDoes this waste material contain "U", "K" or "P" wastes as defined per 40 CFR Part 261.32 and 261.33? YES _____ NO XIs this waste considered non-hazardous by USEPA standard? YES X NO _____Is this waste characteristic for D001, D002 and D018-D043 and will be managed in non-CWA, non-CWA equivalent and non-Class I SDWA systems (except for the 40 CFR Part 261.21 (a) (1) High TOC subcategory)? Yes _____ No XDoes this waste contain any underlying hazardous constituents as defined in 40 CFR Part 268.2 (i)? Yes _____ No X

If yes, please list constituents in section D

GENERATOR CERTIFICATION

I hereby certify that all information submitted in this and all attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. If CYCLE CHEM discovers, after having taken delivery of the waste, that any waste does not conform to the identification and description on this MPS, CYCLE CHEM shall provide notice of such condition to the Generator and coordinate the return of the nonconforming waste to the point of origin as set forth on the manifest or to such other locations designated in writing by the Generator. Generator agrees to reimburse CYCLE CHEM for all handling, packaging, clean up and transportation costs or charges, damage to equipment, and costs associated with lost time incurred by CYCLE CHEM during the receipt, handling, temporary storage and return of such nonconforming waste to point of origin or to such other location designated by Generator.

Authorized Signature

Name (Print or Type)

Title

Date



CYCLE CHEM
RECYCLING TREATMENT & DISPOSAL OF HAZARDOUS WASTE

217 SOUTH FIRST STREET
ELIZABETH, NJ 07206
(908) 355-5800

MATERIAL PROFILE SHEET

PRODUCT CODE 427
PROCESS CODE _____

GENERATOR INFORMATION

35647

GENERATOR US EPA I.D. _____

GENERATOR STATE I.D. _____

GENERATOR NAME Napp Chemicals Inc

BILLING ADDRESS IF DIFFERENT _____

MAILING ADDRESS 199 Main St
Code NJ 07644

CU-01

CONTACT PRITOK

TECHNICAL CONTACT _____

TITLE _____

PHONE _____

SITE ADDRESS Same

NAME OF WASTE empty drums

PROCESS GENERATING WASTE emptying drums

B. PHYSICAL CHARACTERISTICS OF WASTE

COLOR/VISUAL DESCRIPTION

N/A

STRONG INCIDENTAL
ODOR PRESENT? ☐ YES
☐ NO

DESCRIBE N/A

PHYSICAL STATE @ 70°F

☐ SOLID

☐ SINGLE PHASE

☐ LIQUID

☐ BI-LAYERED

☐ POWDER

☐ MULTI-LAYERED

☐ SEMI-SOLID

☐ SLUDGE

DUMPABLE? ☐ YES

Pumpable? N/A ☐ YES

☐ YES

Pourable? ☐ YES

☐ YES

☐ WASTEWATER

☐ NONWASTEWATER

CORROSIVITY (pH)

☐ ≤ 2.0

☐ 9.01-12.49

☐ 2.01-5

☐ ≥ 12.50

☐ 5.01-9

☐ EXACT pH

SPECIFIC GRAVITY

☐ < 8

☐ 1.2-1.4

☐ 8-1.0

☐ 1.4-1.7

☐ 1.0-1.2

☐ > 1.7

☐ EXACT

FLASH POINT

☐ < 70°F

☐ > 200°F

☐ 70°F - 100°F

☐ NO FLASH

☐ 101°F - 141°F

☐ EXACT

☐ 142°F - 200°F

IGNITABLE (if solid)

☐ YES

☐ NO

☐ CLOSED CUP

☐ OPEN CUP

LIQUID/SOLID

% Total Solids

% Suspended Solids

% Dissolved Solids

% Free Liquids

OTHER HAZARDOUS CHARACTERISTICS

INDICATE IF THIS WASTE IS:

☐ RCRA REACTIVE

☐ WATER REACTIVE

☐ RADIOACTIVE

☐ OXIDIZING MATERIAL

☐ PYROPHORIC

☐ SUBJECT TO NESHAP SUBPART FF

BENZENE REGULATIONS

☐ ETIOLOGICAL

☐ PESTICIDE MANUFACTURING WASTE

☐ EXPLOSIVE/SHOCK SENSITIVE

☒ NONE OF THE ABOVE

SPECIAL HANDLING CONSIDERATIONS

CV 5399

D. CHEMICAL COMPOSITION

RANGE
MIN.-MAX.

1. empty drums once contained
chloroacetyl chloride

_____ %

_____ %

_____ %

_____ %

_____ %

_____ %

_____ %

_____ %

_____ %

_____ %

TOTAL (MUST BE ≥ 100%) 100% %

2. INDICATE IF THIS WASTE CONTAINS ANY OF THE FOLLOWING:

NONE or LESS THAN or ACTUAL

PCB's ☒ ☐ < 50 ppm _____ p

Cyanides ☒ ☐ < 250 ppm _____ p

Phenolics ☒ ☐ < 50 ppm _____ p

Sulfides ☒ ☐ < 500 ppm _____ p

☐ MSDS ATTACHED

☐ SUPPLEMENTAL ANALYSIS ATTACHED

DESCRIBE: _____

NO. OF PAGES ATTACHED: _____

ALSO LIST ALL SUBSTANCES REGULATED UNDER
OSHA 1910.1000, SUBPART Z.

CHEMICALS LISTED ON MSDS MUST BE INCLUDED IN THIS SECTION.

E. METALS/ORGANICS (mg/kg or ppm)☐ EP TOX ☐ TCLP ☐ TOTAL

METAL	EP TOX EPA CODE	LESS THAN	ACTUAL	METAL	EP TOX EPA CODE	LESS THAN	ACTUAL
Arsenic	D004	<input type="checkbox"/> < 5.0	_____	Hexachlorobenzene	D032	<input type="checkbox"/> < 0.13	_____
Barium	D005	<input type="checkbox"/> < 100	_____	Hexachloro-1,3-butadiene	D033	<input type="checkbox"/> < 0.5	_____
Benzene	D018	<input type="checkbox"/> < 0.5	_____	Hexachloroethane	D034	<input type="checkbox"/> < 3.0	_____
Cadmium	D006	<input type="checkbox"/> < 1.0	_____	Lead	D008	<input type="checkbox"/> < 5.0	_____
Carbon tetrachloride	D019	<input type="checkbox"/> < 0.5	_____	Lindane	D013	<input type="checkbox"/> < 0.4	_____
Chlordane	D020	<input type="checkbox"/> < 0.03	_____	Mercury	D009	<input type="checkbox"/> < 0.2	_____
Chlorobenzene	D021	<input type="checkbox"/> < 100.0	_____	Methoxychlor	D014	<input type="checkbox"/> < 10.0	_____
Chloroform	D022	<input type="checkbox"/> < 6.0	_____	Methyl ethyl ketone	D035	<input type="checkbox"/> < 200.0	_____
Chromium	D007	<input type="checkbox"/> < 5.0	_____	Nitrobenzene	D036	<input type="checkbox"/> < 2.0	_____
o-Cresol	D023	<input type="checkbox"/> < 200.0	_____	Pentachlorophenol	D037	<input type="checkbox"/> < 100.0	_____
m-Cresol	D024	<input type="checkbox"/> < 200.0	_____	Pyridine	D038	<input type="checkbox"/> < 5.0	_____
p-Cresol	D025	<input type="checkbox"/> < 200.0	_____	Selenium	D010	<input type="checkbox"/> < 1.0	_____
Cresol	D026	<input type="checkbox"/> < 200.0	_____	Silver	D011	<input type="checkbox"/> < 5.0	_____
2,4-D	D016	<input type="checkbox"/> < 10.0	_____	Tetrachloroethylene	D039	<input type="checkbox"/> < 0.7	_____
1,4-Dichlorobenzene	D027	<input type="checkbox"/> < 7.5	_____	Toxaphene	D015	<input type="checkbox"/> < 0.5	_____
1,2-Dichloroethane	D028	<input type="checkbox"/> < 0.5	_____	Trichloroethylene	D040	<input type="checkbox"/> < 0.5	_____
1,1-Dichloroethylene	D029	<input type="checkbox"/> < 0.7	_____	2,4,5-Trichlorophenol	D041	<input type="checkbox"/> < 400.0	_____
2,4-Dinitrotoluene	D030	<input type="checkbox"/> < 0.13	_____	2,4,6-Trichlorophenol	D042	<input type="checkbox"/> < 2.0	_____
Endrin	D012	<input type="checkbox"/> < 0.02	_____	2,4,5-TP (Silvex)	D017	<input type="checkbox"/> < 1.0	_____
Heptachlor	_____	_____	_____	Vinyl chloride	D043	<input type="checkbox"/> < 0.2	_____
(and its hydroxide)	D031	<input type="checkbox"/> < 0.008	_____	Copper	NA	<input type="checkbox"/> < 100.0	_____
				Zinc	NA	<input type="checkbox"/> < 500.0	_____

**F. LIQUID WASTE CHARACTERISTICS
Fuels and WWT Candidates**ORGANIC PHASE _____ %
+ AQUEOUS PHASE _____ % = 1**RANGE**

HEAT VALUE _____

TOTAL HALOGENS _____ %

ASH CONTENT _____

% SULFUR ☐ < 0.5% _____

BS&W _____

WATER CONTENT _____

VISCOSITY (cps): _____ @ _____

TOC _____ mg/l

COD _____ mg/l

BOD _____ mg/l

OIL & GREASE _____ mg/l

TOX _____ mg/l

HOC _____ mg/l

G. SHIPPING/MANIFEST INFORMATION**SHIPMENT METHOD**

☐ BULK LIQUID ☐ OTHER (SPECIFY) _____

☐ BULK SOLID _____

☐ DT ☐ RO _____

☐ DRUM (SIZE) 55

ANTICIPATED VOLUME ☐ GALS. ☒ DRUMS

☐ TONS ☐ CUBIC YDS.

(QUANTITY) PER ☐ ONE TIME ☐ QUARTER ☐ YEAR

TRANSPORTER: _____

TRANSPORTER PHONE/CONTACT: _____

TRANSPORTER USEPA I.D. _____

REGULATORY INFORMATION

USEPA HAZARDOUS WASTE? ☒ YES ☐ NO

USEPA HAZARDOUS CODE(S) F003 D001

APPLICABLE SUBCATEGORIES _____

STATE HAZARDOUS WASTE? ☒ YES ☐ NO

STATE CODE(S) LI

D.O.T. HAZARDOUS WASTE? ☒ YES ☐ NO

PROPER SHIPPING NAME Waste Flammable Liquids NOS

CLASS 3 I.D. NO. UN 1993 P.G. III R.Q. _____

H. WASTE CERTIFICATION

- Does this waste material contain polychlorinated biphenyls? YES _____ NO X
- Does this waste material contain herbicides or pesticides as described in the 40 CFR Part 261.24 Table #1, Waste Nos. D012-D017? YES _____ NO X
- Does this waste material contain or ever contain the listed "spent" solvents which would classify the waste as any or all EPA Waste Nos. F001, F004, F005 as per 40 CFR Part 261.31? YES X NO _____
- Does this waste material contain leachable levels of any of the metals covered by EPA Waste Nos. D004 thru D011 as per 40 CFR Part 261.24? YES _____ NO X
- Does this waste contain any dioxins as specified by 40 CFR Part 261.31 Waste Nos. F020, F021, F022, F023, F026, F027, F028? YES _____ NO X
- Is this waste material a "California List" waste, as per 40 CFR Part 268.32? YES _____ NO X PCB \geq 50 Ni
HOC \geq 1000 Th
- Does this waste material contain D018-D043 as per 40 CFR Part 261.24? YES _____ NO X
- Does this waste material contain "U", "K" or "P" wastes as defined per 40 CFR Part 261.32 and 261.33? YES _____ NO X
- Is this waste considered non-hazardous by USEPA standard? YES _____ NO X
- Is this waste characteristic for D001, D002 and D018-D043 and will be managed in non-CWA, non-CWA equivalent and non-Class I SDWA systems (except for CFR Part 261.21 (a) (1) High TOC subcategory)? Yes X No _____
Does this waste contain any underlying hazardous constituents as defined in 40 CFR Part 268.2 (i)? Yes _____ No X
If yes, please list constituents in section D

GENERATOR CERTIFICATION

I hereby certify that all information submitted in this and all attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed.

If CYCLE CHEM discovers, after having taken delivery of the waste, that any waste does not conform to the identification and description on this then CYCLE CHEM shall provide notice of such condition to the Generator and coordinate the return of the nonconforming waste to the point of origin or forth on the manifest or to such other locations designated in writing by the Generator. Generator agrees to reimburse CYCLE CHEM for all handling, packaging, clean up and transportation costs or charges, damage to equipment, and costs associated with lost time incurred by CYCLE CHEM during receipt, handling, temporary storage and return of such nonconforming waste to point of origin or to such other location designated by Generator.

Authorized Signature

Name (Print or Type)

Title

Date

877490338

State of New Jersey
Department of Environmental Protection and Energy
Hazardous Waste Regulation Program
Manifest Section
CN 028, Trenton, NJ 08625-0028

type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-94

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. MTD0101131529272285		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator Name and Mailing Address NAP Technologies Inc. 199 MAIN ST. LDD1, NEW JERSEY 07644				A. State Manifest Document Number NJA 1772285			
4. Generator's Phone (908) 385-5620				B. State Generator's ID SAME			
5. Transporter 1 Company Name CLEAN VENTURE INC.				6. US EPA ID Number NJDA982281016			
7. Transporter 2 Company Name				8. US EPA ID Number			
9. Designated Facility Name and Site Address CYCLE Chem. INC. 217. SOUTH FIRST ST. ELIZ. N.J. 07206				10. US EPA ID Number NJDA002200046			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM				12. Containers		13. Total Quantity	14. Unit Wt/Vol
a. WASTE CHEMICAL PROCESS LIQUID NOS NON DOT NON RCRA MATERIAL				No.	Type		
b.							
c.							
d.							
J. Additional Descriptions for Materials Listed Above L, METHYL PARABEN & H2O 100% SLURRY				K. Handling Codes for Wastes Listed Above			
a.				a.			
b.				b.			
15. Special Handling Instructions and Additional Information PLATZ# XAH2928 DECAL# 65702				EMERGENCY PHONE # (908) 442-4900 TOB# 5399			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name Al Gazdarski				Signature Al Gazdarski		Month Day Year 10/5/17/95	
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature Jeffrey Clark		Month Day Year 05/17/95	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name				Signature		Month Day Year	

I certify under penalty of law that I personally have examined and am familiar with the waste and the waste management plan for the waste management unit and I am aware that there are significant penalties for providing false or misleading information, including the possibility of fine or imprisonment."

877490339

RESTRICTED WASTE NOTIFICATION

LINE ITEM	RCRA CODE	WW	NWW	APPLICABLE SUBCATEGORY
ABCD_ _____		()	()	
ABCD_ _____		()	()	
ABCD_ _____		()	()	
ABCD_ _____		()	()	
ABCD_ _____		()	()	
ABCD_ _____		()	()	
ABCD_ _____		()	()	
ABCD_ _____		()	()	
ABCD_ _____		()	()	
ABCD_ _____		()	()	

F001 - F005 SPENT SOLVENT WASTES CONSTITUENT(S)

BCD_ F001 ABCD_ F002 ABCD_ F003 ABCD_ F004 ABCD_ F005

ABCD_ acetone	ABCD_ ethyl ether
ABCD_ benzene	ABCD_ methanol
ABCD_ n-butyl alcohol	ABCD_ methylene chloride
ABCD_ iso-butyl alcohol	ABCD_ methyl ethyl ketone
ABCD_ carbon disulfide	ABCD_ methyl isobutyl ketone
ABCD_ carbon tetrachloride	ABCD_ nitrobenzene
ABCD_ chlorobenzene	ABCD_ pyridine
ABCD_ m-cresol	ABCD_ tetrachloroethylene
ABCD_ o-cresol	ABCD_ toluene
ABCD_ p-cresol	ABCD_ 1,1,1-trichloroethane
ABCD_ cresylic acid	ABCD_ 1,1,2-trichloroethane
ABCD_ cyclohexanone	ABCD_ trichloroethylene
ABCD_ o-dichlorobenzene	ABCD_ trichloromonofluoromethane
ABCD_ ethyl acetate	ABCD_ 1,1,2-trichloro-1,2,2-trifluoroethane
ABCD_ ethyl benzene	ABCD_ xylenes

VI. CALIFORNIA LIST WASTES

ABCD_ NICKEL ≥ 134 mg/l
 ABCD_ LIQUIDS WITH PCB's ≥ 50 PPM
 ABCD_ THALLIUM ≥ 130 mg/l
 ABCD_ HALOGENATED ORGANIC CARBON (HOC's) ≥ 1000 mg/l

VII. NON HAZARDOUS WASTE CERTIFICATION

I certify that the following manifest line items are not subject to any land disposal restrictions as specified CFR Subpart D and all applicable prohibitions set forth in Part 268 or RCRA Section 3004 (d).

ABCD_ NON HAZ CODE X900
 ABCD_ NON HAZ CODE _____

ABCD_ NON HAZ CODE _____
 ABCD_ NON HAZ CODE _____

VIII. CERTIFICATION

I notify that I personally examined and am familiar with the waste through analysis and testing or the knowledge of the waste to support this notification that the waste described on this page does not comply with treatment standards specified in 40 CFR 268, Subpart D or RCRA Section 3004(d), and all applicable prohibitions set forth in appropriate regulatory treatment standards prior to land disposal."

Signature: _____

Date: 5/17/95Title: QC

Rev: _____



GENERATOR STATE I.D. | | | | | | | | | |

BILLING ADDRESS IF DIFFERENT

CONTACT MIKE KOOB / TDD

TECHNICAL CONTACT _____ TITLE _____ PHONE _____

SITE ADDRESS LINE

NAME OF WASTE	TPE and demolition debris
---------------	---------------------------

PROCESS GENERATING WASTE Building DEVO

B. PHYSICAL CHARACTERISTICS OF WASTE

COLOR/VISUAL DESCRIPTION	STRONG INCIDENTAL <input type="checkbox"/> YES	PHYSICAL STATE @ 70°F	DUMPABLE?
--------------------------	--	-----------------------	-----------

VIA RIES

STRONG INCIDENTAL ☐ YES
ODOR PRESENT? ☒ NO

PHYSICAL STATE @ 70°F

DUMPABLE?

☐ WASTEWATER
☐ NONWASTEWATER

DESCRIBE _____

☐ SOLID
☒ LIQUID
☐ POWDER
☐ SEMI-SOLID

☐ SINGLE PHASE
☒ BI-LAYERED
☐ MULTI-LAYERED
☐ SLUDGE

Pumpable? ☐ YES ☒ NO

Pourable? ☒ YES ☐ NO

CORROSIVITY (pH)

SPECIFIC GRAVITY

FLASH POINT

LIQUID/SOLID 4

☐ ≤ 2.0
☐ 9.01-12.49
☐ 2.01-5
☐ ≥ 12.50
☒ 5.01-9
☐ EXACT pH

☐ < .8 ☐ 1.2-1.4
☐ .8-1.0 ☐ 1.4-1.7
☐ 1.0-1.2 ☐ > 1.7
☐ EXACT

☐ < 70°F ☒ > 200°F
☐ 70°F - 100°F ☐ NO FLASH
☐ 101°F - 141°F ☐ EXACT _____
☐ 142°F - 200°F

IGNITABLE (if solid) ☐ CLOSED CUP
☐ YES ☐ NO ☐ OPEN CUP

% Total Solids	7
% Suspended Solids	—
% Dissolved Solids	—
% Free Liquids	5

OTHER HAZARDOUS CHARACTERISTICS

INDICATE IF THIS WASTE IS:

☐ SUBJECT TO NESHAP SUBPART FF

☐ RCRA REACTIVE
☐ WATER REACTIVE
☐ RADIOACTIVE
☐ OXIDIZING MATERIAL
☐ PYROPHORIC

BENZENE REGULATIONS
☐ ETIOLOGICAL
☐ PESTICIDE MANUFACTURING WASTE
☐ EXPLOSIVE/SHOCK SENSITIVE
☒ NONE OF THE ABOVE

SPECIAL HANDLING CONSIDERATIONS

D. CHEMICAL COMPOSITION

2. INDICATE IF THIS WASTE CONTAINS ANY OF THE FOLLOWING:

	NONE	or LESS THAN	or ACTUAL
PCB's	<input checked="" type="checkbox"/>	<input type="checkbox"/> < 50 ppm	_____ ppm
Cyanides	<input checked="" type="checkbox"/>	<input type="checkbox"/> < 250 ppm	_____ ppm
Phenolics	<input checked="" type="checkbox"/>	<input type="checkbox"/> < 50 ppm	_____ ppm
Sulfides	<input checked="" type="checkbox"/>	<input type="checkbox"/> < 500 ppm	_____ ppm

☐ MSDS ATTACHED
☐ SUPPLEMENTAL ANALYSIS ATTACHED

DESCRIBE: _____

CHEMICALS LISTED ON MSDS MUST BE INCLUDED IN THIS SECTION.

ALSO LIST ALL SUBSTANCES REGULATED UNDER
OSHA 1910.1000, SUBPART Z.

NO. OF PAGES ATTACHED: 12

METALS/ORGANICS (mg/kg or ppm)

	EP TOX EPA CODE	LESS THAN	ACTUAL	METAL	EP TOX EPA CODE	LESS THAN	ACTUAL
AL							
C	D004	<input checked="" type="checkbox"/> < 5.0		Hexachlorobenzene	D032	<input checked="" type="checkbox"/> < 0.13	
1	D005	<input checked="" type="checkbox"/> < 100		Hexachloro-1,3-butadiene	D033	<input checked="" type="checkbox"/> < 0.5	
10	D018	<input checked="" type="checkbox"/> < 0.5		Hexachloroethane	D034	<input checked="" type="checkbox"/> < 3.0	
ium	D006	<input checked="" type="checkbox"/> < 1.0		Lead	D008	<input checked="" type="checkbox"/> < 5.0	
ion tetrachloride	D019	<input checked="" type="checkbox"/> < 0.5		Lindane	D013	<input checked="" type="checkbox"/> < 0.4	
rdane	D020	<input checked="" type="checkbox"/> < 0.03		Mercury	D009	<input checked="" type="checkbox"/> < 0.2	
robenzene	D021	<input checked="" type="checkbox"/> < 100.0		Methoxychlor	D014	<input checked="" type="checkbox"/> < 10.0	
roform	D022	<input checked="" type="checkbox"/> < 6.0		Methyl ethyl ketone	D035	<input checked="" type="checkbox"/> < 200.0	
mium	D007	<input checked="" type="checkbox"/> < 5.0		Nitrobenzene	D036	<input checked="" type="checkbox"/> < 2.0	
esol	D023	<input checked="" type="checkbox"/> < 200.0		Pentachlorophenol	D037	<input checked="" type="checkbox"/> < 100.0	
esol	D024	<input checked="" type="checkbox"/> < 200.0		Pyridine	D038	<input checked="" type="checkbox"/> < 5.0	
esol	D025	<input checked="" type="checkbox"/> < 200.0		Selenium	D010	<input checked="" type="checkbox"/> < 1.0	
ol	D026	<input checked="" type="checkbox"/> < 200.0		Silver	D011	<input checked="" type="checkbox"/> < 5.0	
0	D016	<input checked="" type="checkbox"/> < 10.0		Tetrachloroethylene	D039	<input checked="" type="checkbox"/> < 0.7	
Dichlorobenzene	D027	<input checked="" type="checkbox"/> < 7.5		Toxaphene	D015	<input checked="" type="checkbox"/> < 0.5	
Dichloroethane	D028	<input checked="" type="checkbox"/> < 0.5		Trichloroethylene	D040	<input checked="" type="checkbox"/> < 0.5	
Dichloroethylene	D029	<input checked="" type="checkbox"/> < 0.7		2,4,5-Trichlorophenol	D041	<input checked="" type="checkbox"/> < 400.0	
Dinitrotoluene	D030	<input checked="" type="checkbox"/> < 0.13		2,4,6-Trichlorophenol	D042	<input checked="" type="checkbox"/> < 2.0	
nn	D012	<input checked="" type="checkbox"/> < 0.02		2,4,5-TP (Silvex)	D017	<input checked="" type="checkbox"/> < 1.0	
tachlor				Vinyl chloride	D043	<input checked="" type="checkbox"/> < 0.2	
its hydroxide)	D031	<input checked="" type="checkbox"/> < 0.008		Copper	NA	<input checked="" type="checkbox"/> < 100.0	
				Zinc	NA	<input checked="" type="checkbox"/> < 500.0	

F. LIQUID WASTE CHARACTERISTICS Fuels and WWT Candidates

ORGANIC PHASE _____ %
+ AQUEOUS PHASE _____ % = 100%

RANGE

HEAT VALUE _____ BTU/lb

TOTAL HALOGENS _____ % _____ mg/l

ASH CONTENT _____ %

% SULFUR ☐ < 0.5% _____ %

BS&W _____ %

WATER CONTENT _____ %

VISCOSITY (cps): _____ @ _____ °F

TOC _____ mg/l

COD _____ mg/l

BOD _____ mg/l

OIL & GREASE _____ mg/l

TOX _____ mg/l

HOC _____ mg/l

G. SHIPPING/MANIFEST INFORMATION

SHIPMENT METHOD

BULK LIQUID ☐ OTHER (SPECIFY) _____
BULK SOLID ☐ DT ☒ RO _____
DRUM (SIZE) _____

ANTICIPATED VOLUME ☐ GALS. ☐ DRUMS
30 ☐ TONS ☒ CUBIC YDS.
(QUANTITY) PER ☒ ONE TIME ☐ QUARTER ☐ YEAR

REGULATORY INFORMATION

USEPA HAZARDOUS WASTE? ☐ YES ☒ NO

USEPA HAZARDOUS CODE(S) _____

APPLICABLE SUBCATEGORIES _____

STATE HAZARDOUS WASTE? ☐ YES ☒ NO

STATE CODE(S) LA 8940

D.O.T. HAZARDOUS WASTE? ☐ YES ☒ NO

PROPER SHIPPING NAME White Chemical Process Solvent Nos

CLASS 2.1 I.D. NO. 1993 PG. 1 RO 01

WASTE CERTIFICATION

Does this waste material contain polychlorinated biphenyls? YES _____ NO ☒

Does this waste material contain herbicides or pesticides as described in the 40 CFR Part 261.24 Table #1, Waste Nos. D012-D017? YES _____ NO ☒

Does this waste material contain or ever contain the listed "spent" solvents which would classify the waste as any or all EPA Waste Nos. F001, F002, F003, F004, F005 as per 40 CFR Part 261.31? YES _____ NO ☒

Does this waste material contain leachable levels of any of the metals covered by EPA Waste Nos. D004 thru D011 as per 40 CFR Part 261.24? YES _____ NO ☒

Does this waste contain any dioxins as specified by 40 CFR Part 261.31 Waste Nos. F020, F021, F022, F023, F026, F027, F028? YES _____ NO ☒

Is this waste material a "California List" waste, as per 40 CFR Part 268.32? YES _____ NO ☒

Does this waste material contain D018-D043 as per 40 CFR Part 261.24? YES _____ NO ☒

Does this waste material contain "U", "K" or "P" wastes as defined per 40 CFR Part 261.32 and 261.33? YES _____ NO ☒

Is this waste considered non-hazardous by USEPA standard? YES ☒ NO _____

Is this waste characteristic for D001, D002 and D018-D043 and will be managed in non-CWA, non-CWA equivalent and non-Class I SDWA systems (except for the 40 CFR Part 261.21 (a) (1) High TOC subcategory)? Yes _____ No ☒

Does this waste contain any underlying hazardous constituents as defined in 40 CFR Part 268.2 (i)? Yes _____ No ☒

If yes, please list constituents in section D

GENERATOR CERTIFICATION

I hereby certify that all information submitted in this and all attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed.

If CYCLE CHEM discovers, after having taken delivery of the waste, that any waste does not conform to the identification and description on this MPS, then CYCLE CHEM shall provide notice of such condition to the Generator and coordinate the return of the nonconforming waste to the point of origin as set forth on the manifest or to such other locations designated in writing by the Generator. Generator agrees to reimburse CYCLE CHEM for all handling, packaging, clean up and transportation costs or charges, damage to equipment, and costs associated with lost time incurred by CYCLE CHEM during the receipt, handling, temporary storage and return of such nonconforming waste to point of origin or to such other location designated by Generator.

Authorized Signature

Al Gazdalski

Title

QC

Date

5/18/95

877490342



State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421



Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2050-0039 Excl

UNIFORM HAZARDOUS
WASTE MANIFEST

Generator's US EPA ID No.

Manifest
Document No.

2. Page
of

Information in the shaded
is not required by Federal

1. Generator's Name and Mailing Address

Wapp Chemical Inc.
199 Main St., Lodi, N.J. 07644

Generator's Phone () 908 385-5623

2. Transporter 1 Company Name

385-5623

3. Transporter 2 Company Name

US EPA ID Number

US EPA ID Number

A. State Manifest Document Number

NJA 2102321

B. State Generator's ID-Gen. Site Address

C. State ID-NJDEPE

Decal No.

D. Transporter's Phone ()

E. State Trans ID-NJDEPE

Decal No.

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

3. Designated Facility Name and Site Address

Cycle Chem Inc.
217 South First St.
Elizabeth, NJ 07206

US EPA ID Number

4. US DOT Description, including Proper Shipping Name, Hazard Class or Division
D Number and Packing Group

Containers () 308 442-
Waste

Waste Chemical Process Liquid NOS
Non DOT Non RCRA

J. Additional Descriptions for Materials Listed Above

L PPS #3908

building debris in water 53

15. Special Handling Instructions and Additional Information

a) CEH002

Emergency Afterhour phone # (908) 442-4900

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name, classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Signature

Month Day

Al Gonzalez

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day

Timothy Richardson

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19

Printed/Typed Name

Signature

Month Day



Recycling Treatment & Disposal of Hazardous Waste

217 South First Street, Elizabeth, NJ 07206 • 908-355-5800, FAX: 908-355-0562

CLE CHEM, INC.
 1 S. FIRST ST.
 ELIZABETH NJ 07206
 0002200046

**LAND DISPOSAL RESTRICTIONS
 NOTIFICATION AND CERTIFICATION FORM**

Generator Napp Chemical Inc Manifest Number _____

EPA ID No. NJD 001315282

Waste Analysis available? ☒ No ☐ Yes, Copy Attached

MANIFEST INFORMATION

LINE ITEM	WW NWW	LIST ALL EPA HAZARDOUS WASTE CODES (RCRA CODES)	CCI PRODUCT CODES
<u>0</u>	<u>NWW1</u>	<u>X900</u>	<u>CE11002</u>

268.9 SPECIAL REQUIREMENTS FOR WASTES THAT EXHIBIT A CHARACTERISTIC
 wastes identified below contains underlying hazardous constituents as defined in 268.38

ITEM	EPA NO.	TREATABILITY GROUP
<u>D0</u>	<u>D001</u>	Ignitable Characteristic Wastes, except for the 261.21 (a) (1) High TOC Subcategory, that are managed in non-CWA/ non-CWA equivalent/ non-Class 1 SDWA Systems.
<u>D0</u>	<u>D002</u>	Corrosive Characteristic Wastes, that are managed in non-CWA/ non-CWA equivalent/ non-Class 1 SDWA Systems.
<u>D0</u>	<u>D012-D043</u>	Wastes that are TC based on the TCLP in SW846 Method 1311.

UNDERLYING HAZARDOUS CONSTITUENTS
 D01, D002, D012-D043 OR F039 WASTES

ABCD	_____	ABCD	_____
ABCD	_____	ABCD	_____
ABCD	_____	ABCD	_____
ABCD	_____	ABCD	_____
ABCD	_____	ABCD	_____

LAB PACK CERTIFICATION

I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab contains only wastes which have not been excluded under appendix IV to 40 CFR Part 268, or solid wastes not subject to regulation under 40 CFR Part 261. I am aware that there are significant penalties for committing a false certification, including the possibility of fine or imprisonment.

RESTRICTED WASTE NOTIFICATION

877490345

LINE ITEM	RCRA CODE	WW	NWW	APPLICABLE SUBCATEGORY
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	

V. F001 - F005 SPENT SOLVENT WASTES CONSTITUENT(S)

ABCD_ F001	ABCD_ F002	ABCD_ F003	ABCD_ F004	ABCD_
ABCD_ acetone		ABCD_ ethyl ether		
ABCD_ benzene		ABCD_ methanol		
ABCD_ n-butyl alcohol		ABCD_ methylene chloride		
ABCD_ iso-butyl alcohol		ABCD_ methyl ethyl ketone		
ABCD_ carbon disulfide		ABCD_ methyl isobutyl ketone		
ABCD_ carbon tetrachloride		ABCD_ nitrobenzene		
ABCD_ chlorobenzene		ABCD_ pyridine		
ABCD_ m-cresol		ABCD_ tetrachloroethylene		
ABCD_ o-cresol		ABCD_ toluene		
ABCD_ p-cresol		ABCD_ 1,1,1-trichloroethane		
ABCD_ cresylic acid		ABCD_ 1,1,2-trichloroethane		
ABCD_ cyclohexanone		ABCD_ trichloroethylene		
ABCD_ o-dichlorobenzene		ABCD_ trichloromonofluoromethane		
ABCD_ ethyl acetate		ABCD_ 1,1,2-trichloro-1,2,2-trifluoroethane		
ABCD_ ethyl benzene		ABCD_ xylenes		

VI. CALIFORNIA LIST WASTES

- ABCD_ NICKEL ≥ 134 mg/l
- ABCD_ LIQUIDS WITH PCB's ≥ 50 PPM
- ABCD_ THALLIUM ≥ 130 mg/l
- ABCD_ HALOGENATED ORGANIC CARBON (HOC's) ≥ 1000 mg/l

VII. NON HAZARDOUS WASTE CERTIFICATION

I certify that the following manifest line items are not subject to any land disposal restrictions as specified in CFR Subpart D and all applicable prohibitions set forth in Part 268 or RCRA Section 3004 (d).

ABCD_ NON HAZ CODE A900 ABCD_ NON HAZ CODE _____
 ABCD_ NON HAZ CODE _____ ABCD_ NON HAZ CODE _____

VIII. CERTIFICATION

"I notify that I personally examined and am familiar with the waste through analysis and testing or to the best of my knowledge of the waste to support this notification that the waste described on this page does not comply with treatment standards specified in 40 CFR 268, Subpart D or RCRA Section 3004(d), and all applicable prohibitions set forth in appropriate regulatory treatment standards prior to land disposal."

Signature: (X) Al Gazdalski Date: (X) 5/18/95
 Print Name: (X) Al GAZDalski Title: (X) QC Review: _____

ROLL-OFF _____

ENVIRONMENTAL TRANSPORT GROUP, INC.

P.O. BOX 296 FLANDERS, NEW JERSEY 07836

(201) 347-8200 FAX: (201) 347-3564

MANIFEST # _____

DUMPER

CUSTOMER: _____

ATTN: _____

SPOT _____

LOAD & GO _____

NAME: _____
DATE _____ TIME _____

LOCATION: _____

SPOT CHARGES: \$ _____

TRACTOR # _____ TRAILER # _____

DRIVER _____

JOB # _____ P.O. # _____

W.O. # _____

IN: 7:00 OUT: 7:20 TIME CHARGED _____ \$ _____

DELAY EXPLANATION _____

SIGNATURE [Signature]

PICK-UP CONTAINER: _____

NAME: _____
DATE _____ TIME _____

LOCATION: _____

TRACTOR # _____ TRAILER # _____ DRIVER _____

JOB # _____ P.O. # _____ W.O. # _____

IN: _____ OUT: _____ TIME CHARGED _____ \$ _____

DELAY EXPLANATION _____

RENTAL CHARGES: _____ X _____ = AMOUNT: \$ _____
DAYS

SIGNATURE _____

UNLOAD: _____

DISPOSAL SITE: _____
DATE _____ TIME _____

IN: _____ OUT: _____ TIME CHARGED _____ \$ _____

DELAY EXPLANATION _____

SIGNATURE _____ LINER \$ _____

FUEL SURCHARGE \$ _____

TOTAL: \$ _____

877490346



DELIVERY ORDER

D.O.N

27023

RELEASE NUMBER:

BILL TO NUMBER 028722000

CUSTOMER NO. 028722002

INVOICE TO:

SHIP/DELIVER TO:

NAPP TECHNOLOGY
199 MAIN STREET
P O BOX 900
LEDDI, NJ 07544

NAPP TECHNOLOGY
199 MAIN STREET
LEDDI, NJ 07544

ORDER DATE	DELIVERY DATE	CUSTOMER CONTACT	PHONE	DELIVER / SHIP BY
03/08/95	05/08/95	JOHN TAKAMIZAN	(201) 775-1900	
JOB NUMBER	INSTRUCTIONS	SOA NUMBER	P.O. NUMBER	EXPIRATION DATE
	01	2700723	P010020-00	12/31/96
QUANTITY	PROD. CODE	PART NUMBER	DESCRIPTION	
DEL/SHIP	P/U	BACK ORD.		

2.00 VAM POLYTEX 42 MIXBED ENCH

DATE METER 1 METER 2 METER 3 HE
PREVIOUS READING 04/28/95 2748252 0 0

CURRENT READING

4 8

HOSES + CONNECTERS

PICK UP 2 POLYTEX TANKS AT NAPP ON 5/2/95
SEE KEITH OR AL, PER MARILYN NOE.
YOU MUST IDENTIFY YOURSELF AT THE SECURITY GATE TO
OBTAIN ACCESS.

NAPP STEELLY 2010 V.C. CON
TAKE POLYTEX TANKS
& ARE RESPONSIBLE FOR SAME

✓ CODE	TYPE OF SERVICE	ADDITIONAL TIME AND SERVICE					
<input type="checkbox"/> 1 STANDARD SERVICE	TDS	CODE	DATE	HR. IN	HR. OUT	TOTAL HOURS	COMMENT
<input type="checkbox"/> 2 SCHEDULED 3 MONTH SERVICE							
<input type="checkbox"/> 3 EMERGENCY SAME DAY SERVICE							
<input type="checkbox"/> 4 EMERGENCY AFTER HOURS SERVICE							
<input type="checkbox"/> 5 WARRANTY SERVICE-EXPLAIN							
<input type="checkbox"/> 6 STAND BY SERVICE							
METER READINGS		AUTHORIZED SIGNATURES					
CLOSING							
BEGINNING							
GALLONS DELIVERED							
		X <i>W. Gaydolek</i> CUSTOMER SIGNATURE DATE		POLYMETRICS REPRESENTATIVE			
		X <i>Al Gazdalski</i> CUSTOMER NAME (PLEASE PRINT)		EMPLOYEE NAME (PLEASE PRINT)			

PACKING SLIP					
PACKED BY:	NO. OF CARTONS	TOTAL WEIGHT	DATE SHIPPED	SHIPPED VIA	B/L NUMBER

THIS IS YOUR PACKING LIST - FORWARD TO ACCOUNTS PAYABLE

877490347



Recycling Treatment & Disposal of Hazardous Waste

217 South First Street, Elizabeth, NJ 07206 • 908-355-5800, FAX: 908-355-0562

CLE CHEM, INC.
1 S. FIRST ST.
ELIZABETH NJ 07206
0002200046

**LAND DISPOSAL RESTRICTIONS
NOTIFICATION AND CERTIFICATION FORM**

Generator NAPP Chemicals Inc. Manifest Number NJA 2161071
EPA ID No. NJ D001315280
Waste Analysis available? ☒ No ☐ Yes, Copy Attached

MANIFEST INFORMATION

LINE ITEM	WW NWW	LIST ALL EPA HAZARDOUS WASTE CODES (RCRA CODES)	CCI PRODUCT CODES
<u>1</u>	<u>NWW</u>	<u>X910</u>	<u>CEH005-Q</u>

268.9 SPECIAL REQUIREMENTS FOR WASTES THAT EXHIBIT A CHARACTERISTIC
wastes identified below contains underlying hazardous constituents as defined in 268.38

LINE ITEM	EPA NO.	TREATABILITY GROUP
<u>D01</u>	<u>D001</u>	Ignitable Characteristic Wastes, except for the 261.21 (a) (1) High TOC Subcategory, that are managed in non-CWA/ non-CWA equivalent/ non-Class 1 SDWA Systems.
<u>D02</u>	<u>D002</u>	Corrosive Characteristic Wastes, that are managed in non-CWA/ non-CWA equivalent/ non-Class 1 SDWA Systems.
<u>D043</u>	<u>D012-D043</u>	Wastes that are TC based on the TCLP in SW846 Method 1311.

UNDERLYING HAZARDOUS CONSTITUENTS
D01, D002, D012-D043 OR F039 WASTES

ABCD	_____	ABCD	_____
ABCD	_____	ABCD	_____
ABCD	_____	ABCD	_____
ABCD	_____	ABCD	_____
ABCD	_____	ABCD	_____

LAB PACK CERTIFICATION

I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab pack contains only wastes which have not been excluded under appendix IV to 40 CFR Part 268, or solid wastes not subject to regulation under 40 CFR Part 261. I am aware that there are significant penalties for committing a false certification, including the possibility of fine or imprisonment.

IV. RESTRICTED WASTE NOTIFICATION

LINE ITEM	RCRA CODE	WW	NWW	APPLICABLE SUBCATEGORY
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	

V. F001 - F005 SPENT SOLVENT WASTES CONSTITUENT(S)

ABCD_ F001	ABCD_ F002	ABCD_ F003	ABCD_ F004	ABCD_
ABCD_ acetone		ABCD_ ethyl ether		
ABCD_ benzene		ABCD_ methanol		
ABCD_ n-butyl alcohol		ABCD_ methylene chloride		
ABCD_ iso-butyl alcohol		ABCD_ methyl ethyl ketone		
ABCD_ carbon disulfide		ABCD_ methyl isobutyl ketone		
ABCD_ carbon tetrachloride		ABCD_ nitrobenzene		
ABCD_ chlorobenzene		ABCD_ pyridine		
ABCD_ m-cresol		ABCD_ tetrachloroethylene		
ABCD_ o-cresol		ABCD_ toluene		
ABCD_ p-cresol		ABCD_ 1,1,1-trichloroethane		
ABCD_ cresylic acid		ABCD_ 1,1,2-trichloroethane		
ABCD_ cyclohexanone		ABCD_ trichloroethylene		
ABCD_ o-dichlorobenzene		ABCD_ trichloromonofluoromethane		
ABCD_ ethyl acetate		ABCD_ 1,1,2-trichloro-1,2,2-trifluoroethane		
ABCD_ ethyl benzene		ABCD_ xylenes		

VI. CALIFORNIA LIST WASTES

ABCD_ NICKEL \geq 134 mg/l
ABCD_ LIQUIDS WITH PCB's \geq 50 PPM
ABCD_ THALLIUM \geq 130 mg/l
ABCD_ HALOGENATED ORGANIC CARBON (HOC's) \geq 1000 mg/l

VII. NON HAZARDOUS WASTE CERTIFICATION

I certify that the following manifest line items are not subject to any land disposal restrictions as specified in CFR Subpart D and all applicable prohibitions set forth in Part 268 or RCRA Section 3004 (d).

ABCD_ NON HAZ CODE <u>X910</u>	ABCD_ NON HAZ CODE _____
ABCD_ NON HAZ CODE _____	ABCD_ NON HAZ CODE _____

VIII. CERTIFICATION

"I notify that I personally examined and am familiar with the waste through analysis and testing or the knowledge of the waste to support this notification that the waste described on this page does not comply with treatment standards specified in 40 CFR 268, Subpart D or RCRA Section 3004(d), and all applicable prohibitions set forth in appropriate regulatory treatment standards prior to land disposal."

Signature: *Al Gajdalski* Date: 5/19/95
 Name: Al Gajdalski Title: QC Revise _____



State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421

type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST		Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
1. Generator's Name and Mailing Address			A. State Manifest Document Number NJA 2161071		
Generator's Phone			B. State Generator's ID (Gen. Site Address)		
Transporter 1 Company Name CLEAN VENTURE INC.			C. State Trans. ID-NJDEPE 558-1-1		
Transporter 1 US EPA ID Number NJ 098-2281016			Decal No.		
Transporter 2 Company Name			D. Transporter's Phone (908) 442-4900		
Transporter 2 US EPA ID Number			E. State Trans. ID-NJDEPE		
Designated Facility Name and Site Address			Decal No.		
Designated Facility US EPA ID Number			F. Transporter's Phone ()		
			G. State Facility's ID		
			H. Facility's Phone ()		
11. US DOT Description (including Proper Shipping Name, hazard Class or Division, and Number and Packing Group)		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
S. building demolition/rubble debris					
K. Handling Codes for Wastes Listed Above					
Special Handling Instructions and Additional Information		308-442-4900			
<p>6. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.</p> <p>If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.</p>					
Printed/Typed Name			Signature		
Month Day Year			Month Day Year		
7. Transporter 1 Acknowledgement or Receipt of Materials					
Printed/Typed Name			Signature		
Month Day Year			Month Day Year		
8. Transporter 2 Acknowledgement or Receipt of Materials					
Printed/Typed Name			Signature		
Month Day Year			Month Day Year		
Discrepancy Indication Space					
9. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name			Signature		
Month Day Year			Month Day Year		

NJ 2161071

877490351

ROLL-OFF _____

ENVIRONMENTAL TRANSPORT GROUP, INC.

P.O. BOX 296 FLANDERS, NEW JERSEY 07836

(201) 347-8288 FAX: (201) 347-3564

MANIFEST # _____

DUMPER _____

CUSTOMER: _____

ATTN: _____

SPOT _____ LOAD & GO _____

NAME: _____
DATE _____ TIME _____

LOCATION: _____ SPOT CHARGES: \$ _____

TRACTOR # _____ TRAILER # _____ DRIVER _____

JOB # _____ P.O. # _____ W.O. # _____

IN: _____ OUT: _____ TIME CHARGED _____ \$ _____

DELAY EXPLANATION _____

SIGNATURE _____

PICK-UP CONTAINER: _____

NAME: _____
DATE _____ TIME _____

LOCATION: _____

TRACTOR # _____ TRAILER # _____ DRIVER _____

JOB # _____ P.O. # _____ W.O. # _____

IN: _____ OUT: _____ TIME CHARGED _____ \$ _____

DELAY EXPLANATION _____

RENTAL CHARGES: _____ X _____ = AMOUNT: \$ _____
DAYS

SIGNATURE _____

UNLOAD: _____

DISPOSAL SITE: _____
DATE _____ TIME _____

IN: _____ OUT: _____ TIME CHARGED _____ \$ _____

DELAY EXPLANATION _____

SIGNATURE _____ LINER \$ _____

FUEL SURCHARGE \$ _____

TOTAL: \$ _____



CycleChem

217 South First Street, Elizabeth, NJ 07206 • 908-355-5800, FAX: 908-355-0562

**LAND DISPOSAL RESTRICTIONS
NOTIFICATION AND CERTIFICATION FORM**

erator Napp Chemicals Manifest Number NTA216107
EPA ID No. NJ D001315282
Waste Analysis available? ☒ No ☐ Yes, Copy Attached

LINE ITEM	WW NWW	LIST ALL EPA HAZARDOUS WASTE CODES (RCRA CODES)	CCI PRODUCT CODES
2	NWW	X910	CEH005-a

268.9 SPECIAL REQUIREMENTS FOR WASTES THAT EXHIBIT A CHARACTERISTIC
wastes identified below contains underlying hazardous constituents as defined in 268.38

ITEM	EPA NO.	TREATABILITY GROUP
D_	D001	Ignitable Characteristic Wastes, except for the 261.21 (a) (1) High TOC Subcategory, that are managed in non-CWA/ non-CWA equivalent/ non-Class 1 SDWA Systems.
D_	D002	Corrosive Characteristic Wastes, that are managed in non-CWA/non-CWA equivalent/ non-Class 1 SDWA Systems.
D	D012-D043	Wastes that are TC based on the TCLP in SW846 Method 1311.

**UNDERLYING HAZARDOUS CONSTITUENTS
1. D002, D012-D043 OR F039 WASTES**

ABCD _____ ABCD _____ ABCD _____ ABCD _____ ABCD _____	ABCD _____ ABCD _____ ABCD _____ ABCD _____ ABCD _____
---	---

LAB PACK CERTIFICATION

I certify under penalty of law that I personally have examined and am familiar with the waste and that the label contains only wastes which have not been excluded under appendix IV to 40 CFR Part 268, or solid wastes not subject to regulation under 40 CFR Part 261. I am aware that there are significant penalties for committing a false certification, including the possibility of fine or imprisonment.

IV. RESTRICTED WASTE NOTIFICATION

877490353

LINE ITEM	RCRA CODE	WW	NWW	APPLICABLE SUBCATEGORY
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	

V. F001 - F005 SPENT SOLVENT WASTES CONSTITUENT(S)

ABCD_ F001	ABCD_ F002	ABCD_ F003	ABCD_ F004	ABCD_
ABCD_ acetone		ABCD_ ethyl ether		
ABCD_ benzene		ABCD_ methanol		
ABCD_ n-butyl alcohol		ABCD_ methylene chloride		
ABCD_ iso-butyl alcohol		ABCD_ methyl ethyl ketone		
ABCD_ carbon disulfide		ABCD_ methyl isobutyl ketone		
ABCD_ carbon tetrachloride		ABCD_ nitrobenzene		
ABCD_ chlorobenzene		ABCD_ pyridine		
ABCD_ m-cresol		ABCD_ tetrachloroethylene		
ABCD_ o-cresol		ABCD_ toluene		
ABCD_ p-cresol		ABCD_ 1,1,1-trichloroethane		
ABCD_ cresylic acid		ABCD_ 1,1,2-trichloroethane		
ABCD_ cyclohexanone		ABCD_ trichloroethylene		
ABCD_ o-dichlorobenzene		ABCD_ trichloromonofluoromethane		
ABCD_ ethyl acetate		ABCD_ 1,1,2-trichloro-1,2,2-trifluoroethane		
ABCD_ ethyl benzene		ABCD_ xylenes		

VI. CALIFORNIA LIST WASTES

- ABCD_ NICKEL ≥ 134 mg/l
 ABCD_ LIQUIDS WITH PCB's ≥ 50 PPM
 ABCD_ THALLIUM ≥ 130 mg/l
 ABCD_ HALOGENATED ORGANIC CARBON (HOC's) ≥ 1000 mg/l

VII. NON HAZARDOUS WASTE CERTIFICATION

I certify that the following manifest line items are not subject to any land disposal restrictions as specified in CFR Subpart D and all applicable prohibitions set forth in Part 268 or RCRA Section 3004 (d).

ABCD_ NON HAZ CODE X910
 ABCD_ NON HAZ CODE _____
 ABCD_ NON HAZ CODE _____
 ABCD_ NON HAZ CODE _____

VIII. CERTIFICATION

"I notify that I personally examined and am familiar with the waste through analysis and testing or the knowledge of the waste to support this notification that the waste described on this page does not comply with treatment standards specified in 40 CFR 268, Subpart D or RCRA Section 3004(d), and all applicable prohibitions set forth in appropriate regulatory treatment standards prior to land disposal."

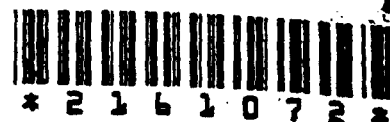
Signature: Al Gazdarski Date: 5/19/95
 Print Name: Al GAZDARSKI Title: QC

Revised

877490354



State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421



Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved: OMB No. 2050-0039 Expires 9-30-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. 09090909090909090909		Manifest Document No. 6110172		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.											
3. Generator's Name and Mailing Address WVF CHEMICAL INC. 100 MAIN ST. LINDEN NJ 07036-4400						A. State Manifest Document Number NJA 2161072													
4. Generator's Phone (Area) (303) 550-0000						B. State Generator's ID (Gen. Site Address)													
5. Transporter 1 Company Name TRANS-STATE WASTE SERVICE INC.						C. State Trans. ID-NJDEPE 00000000000000000000													
7. Transporter 2 Company Name						D. Transporter's Phone (Area) (303) 550-0000													
9. Designated Facility Name and Site Address CYCLE CLEAN INC. 700 SOUTH FIRST ST. LINDEN NJ 07036-4400						E. State Trans. ID-NJDEPE 00000000000000000000													
10. US EPA ID Number						F. Decal No.													
11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) HM 1581.6 (HAZARDOUS) SOLID 1581.6 (HAZARDOUS) SOLID						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.							
a. 1581.6 (HAZARDOUS) SOLID						XIXI		XIXIXI											
b. 1581.6 (HAZARDOUS) SOLID																			
c. 1581.6 (HAZARDOUS) SOLID																			
d. 1581.6 (HAZARDOUS) SOLID																			
J. Additional Descriptions for Materials Listed Above S, building demolition/fire 95-99% debris						K. Handling Codes for Wastes Listed Above													
a. S, building demolition/fire						a. 1581.6 (HAZARDOUS) SOLID													
b. 95-99% debris						b. 1581.6 (HAZARDOUS) SOLID													
15. Special Handling Instructions and Additional Information PEARS 1 TIME 2						908-442-4900													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and a classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and nation government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present a future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and seek the best waste management method that is available to me and that I can afford.																			
Printed/Typed Name					Signature					Month Day Y									
17. Transporter 1 Acknowledgement of Receipt of Materials					Printed/Typed Name					Signature					Month Day Y				
18. Transporter 2 Acknowledgement of Receipt of Materials					Printed/Typed Name					Signature					Month Day Y				
19. Discrepancy Indication Space																			
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.																			
Signature					Month Day Y														

GENERATOR

TRANSPORTER

FACILITY

877490355

ROLL-OFF _____

ENVIRONMENTAL TRANSPORT GROUP, INC.

P.O. BOX 296 FLANDERS, NEW JERSEY 07836

(201) 347-8280 FAX: (201) 347-3564

MANIFEST # _____

DUMPER _____

CUSTOMER: _____

ATTN: _____

SPOT _____

DATE _____

TIME _____

LOAD & GO _____

NAME: _____

LOCATION: _____

SPOT CHARGES: \$ _____

TRACTOR # _____

TRAILER # _____

DRIVER _____

JOB # _____

P.O. # _____

W.O. # _____

IN: _____

OUT: _____

TIME CHARGED _____

\$ _____

DELAY EXPLANATION _____

SIGNATURE _____

PICK-UP CONTAINER: _____

DATE _____

TIME _____

NAME: _____

LOCATION: _____

TRACTOR # _____

TRAILER # _____

DRIVER _____

JOB # _____

P.O. # _____

W.O. # _____

IN: _____

OUT: _____

TIME CHARGED _____

\$ _____

DELAY EXPLANATION _____

RENTAL CHARGES: _____

X _____

= AMOUNT: \$ _____

DAYS

SIGNATURE _____

UNLOAD: _____

DATE _____

TIME _____

DISPOSAL SITE: _____

IN: _____

OUT: _____

TIME CHARGED _____

\$ _____

DELAY EXPLANATION _____

SIGNATURE _____

LINER \$ _____

FUEL SURCHARGE \$ _____

TOTAL: \$ _____



Recycling Treatment & Disposal of Hazardous Waste

217 South First Street, Elizabeth, NJ 07206 • 908-355-5800, FAX: 908-355-0562

CLE CHEM, INC.
1 S. FIRST ST.
ELIZABETH NJ 07206
0002200046

LAND DISPOSAL RESTRICTIONS NOTIFICATION AND CERTIFICATION FORM

Generator Neop Chemicals Inc. Manifest Number NJA216107C

EPA ID No. NJ0001315282
Waste Analysis available? ☒ No ☐ Yes, Copy Attached

MANIFEST INFORMATION

LINE ITEM	WW NWW	LIST ALL EPA HAZARDOUS WASTE CODES (RCRA CODES)	CCI PRODUCT CODES
<u>A</u>	<u>NWW</u>	<u>Y010</u>	<u>CEH015-U</u>

268.9 SPECIAL REQUIREMENTS FOR WASTES THAT EXHIBIT A CHARACTERISTIC

wastes identified below contains underlying hazardous constituents as defined in 268.38

ITEM	EPA NO.	TREATABILITY GROUP
<u>D</u>	<u>D001</u>	Ignitable Characteristic Wastes, except for the 261.21 (a) (1) High TOC Subcategory, that are managed in non-CWA/ non-CWA equivalent/ non-Class 1 SDWA Systems.
<u>D</u>	<u>D002</u>	Corrosive Characteristic Wastes, that are managed in non-CWA/ non-CWA equivalent/ non-Class 1 SDWA Systems.
<u>D</u>	<u>D012-D043</u>	Wastes that are TC based on the TCLP in SW846 Method 1311.

UNDERLYING HAZARDOUS CONSTITUENTS

1, D002, D012-D043 OR F039 WASTES

ABCD		ABCD	
ABCD		ABCD	
ABCD		ABCD	
ABCD		ABCD	
ABCD		ABCD	

LAB PACK CERTIFICATION

line items, _____, _____, _____, _____, _____, _____, _____, _____, _____, _____

I, _____, certify under penalty of law that I personally have examined and am familiar with the waste and that the lab contains only wastes which have not been excluded under appendix IV to 40 CFR Part 268, or solid waste is not subject to regulation under 40 CFR Part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment.

LINE ITEM	RCRA CODE	WW	NWW	APPLICABLE SUBCATEGORY
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	

877490357

V. F001 - F005 SPENT SOLVENT WASTES CONSTITUENT(S)

ABCD_ F001	ABCD_ F002	ABCD_ F003	ABCD_ F004	ABCD_
ABCD_ acetone		ABCD_ ethyl ether		
ABCD_ benzene		ABCD_ methanol		
ABCD_ n-butyl alcohol		ABCD_ methylene chloride		
ABCD_ iso-butyl alcohol		ABCD_ methyl ethyl ketone		
ABCD_ carbon disulfide		ABCD_ methyl isobutyl ketone		
ABCD_ carbon tetrachloride		ABCD_ nitrobenzene		
ABCD_ chlorobenzene		ABCD_ pyridine		
ABCD_ m-cresol		ABCD_ tetrachloroethylene		
ABCD_ o-cresol		ABCD_ toluene		
ABCD_ p-cresol		ABCD_ 1,1,1-trichloroethane		
ABCD_ cresylic acid		ABCD_ 1,1,2-trichloroethane		
ABCD_ cyclohexanone		ABCD_ trichloroethylene		
ABCD_ o-dichlorobenzene		ABCD_ trichloromonofluoromethane		
ABCD_ ethyl acetate		ABCD_ 1,1,2-trichloro-1,2,2-trifluoroethane		
ABCD_ ethyl benzene		ABCD_ xylenes		

VI. CALIFORNIA LIST WASTES

ABCD_ NICKEL \geq 134 mg/l
 ABCD_ LIQUIDS WITH PCB's \geq 50 PPM
 ABCD_ THALLIUM \geq 130 mg/l
 ABCD_ HALOGENATED ORGANIC CARBON (HOC's) \geq 1000 mg/l

VII. NON HAZARDOUS WASTE CERTIFICATION

I certify that the following manifest line items are not subject to any land disposal restrictions as specified CFR Subpart D and all applicable prohibitions set forth in Part 268 or RCRA Section 3004 (d).

ABCD_ NON HAZ CODE X910 ABCD_ NON HAZ CODE _____
 ABCD_ NON HAZ CODE _____ ABCD_ NON HAZ CODE _____

VIII. CERTIFICATION

"I notify that I personally examined and am familiar with the waste through analysis and testing or th knowledge of the waste to support this notification that the waste described on this page does not comply w treatment standards specified in 40 CFR 268, Subpart D or RCRA Section 3004(d), and all applicable prohil set forth in appropriate regulatory treatment standards prior to land disposal."

Signature: Al Gazdarski Date: 5/19/95
 Print Name: Al Gazdarski Title: QC Revise

877490358



State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421



Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2050-0039 Expires 9-30-92

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest
Document No.

2. Page 1
or

Information in the shaded areas
is not required by Federal law.

3. Generator's Name and Mailing Address

A. State Manifest Document Number

NJA 2161070

B. State Generator's ID (Gen. Site Address)

57117

4. Generator's Phone

5. US EPA ID Number

C. State Trans. ID-NJDEPE

Decal No.

6. Transporter 1 Company Name

CLEAN VENTURE INC.

IN 10932281015

D. Transporter's Phone (908-442-4900)

7. Transporter 2 Company Name

IN 10932281015

E. State Trans. ID-NJDEPE

Decal No.

8. Designated Facility Name and Site Address

9. US EPA ID Number

F. Transporter's Phone ()

G. State Facility's ID

H. Facility's Phone ()

10. US DOT Description (including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)

12. Containers

13. Total Quantity

14. Unit (Vol)

Waste No.

11. Additional Descriptions for Materials Listed Above

16. Additional Descriptions for Materials Listed Above

**S. building demolition/debris
95-99% debris**

17. Handling Codes for Wastes Listed Above

18. Special Handling Instructions and Additional Information

908-442-4900

19. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, If I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Signature

Month Day Year

20. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

21. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

22. Discrepancy Indication Space

23. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day Year

NJA 2161070

I certify under penalty of law that I personally have examined and am familiar with the waste and that it contains only wastes which have not been excluded under appendix IV to 40 CFR Part 268, or wastes not subject to regulation under 40 CFR Part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment."

ABCD_	_____	()	()	_____
ABCD_	_____	()	()	_____
ABCD_	_____	()	()	_____
ABCD_	_____	()	()	_____
ABCD_	_____	()	()	_____
ABCD_	_____	()	()	_____
ABCD_	_____	()	()	_____
ABCD_	_____	()	()	_____
ABCD_	_____	()	()	_____
ABCD_	_____	()	()	_____

001 - F005 SPENT SOLVENT WASTES CONSTITUENT(S)

0 F001	ABCD F002	ABCD F003	ABCD F004	ABCD F005
ABCD_ acetone		ABCD_ ethyl ether		
ABCD_ benzene		ABCD_ methanol		
ABCD_ n-butyl alcohol		ABCD_ methylene chloride		
ABCD_ iso-butyl alcohol		ABCD_ methyl ethyl ketone		
ABCD_ carbon disulfide		ABCD_ methyl isobutyl ketone		
ABCD_ carbon tetrachloride		ABCD_ nitrobenzene		
ABCD_ chlorobenzene		ABCD_ pyridine		
ABCD_ m-cresol		ABCD_ tetrachloroethylene		
ABCD_ o-cresol		ABCD_ toluene		
ABCD_ p-cresol		ABCD_ 1,1,1-trichloroethane		
ABCD_ cresylic acid		ABCD_ 1,1,2-trichloroethane		
ABCD_ cyclohexanone		ABCD_ trichloroethylene		
ABCD_ o-dichlorobenzene		ABCD_ trichloromonofluoromethane		
ABCD_ ethyl acetate		ABCD_ 1,1,2-trichloro-1,2,2-trifluoroethane		
ABCD_ ethyl benzene		ABCD_ xylenes		

CALIFORNIA LIST WASTES

ABCD_ NICKEL \geq 134 mg/l
 ABCD_ LIQUIDS WITH PCB's \geq 50 PPM
 ABCD_ THALLIUM \geq 130 mg/l
 ABCD_ HALOGENATED ORGANIC CARBON (HOC's) \geq 1000 mg/l

NON HAZARDOUS WASTE CERTIFICATION

I certify that the following manifest line items are not subject to any land disposal restrictions as specified in 40 CFR Part 268, Subpart D and all applicable prohibitions set forth in Part 268 or RCRA Section 3004 (d).

D_ NON HAZ CODE X710 ABCD_ NON HAZ CODE _____
 D_ NON HAZ CODE _____ ABCD_ NON HAZ CODE _____

. CERTIFICATION

I certify that I personally examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste described on this page does not comply with the treatment standards specified in 40 CFR 268, Subpart D or RCRA Section 3004(d), and all applicable prohibitions set forth in appropriate regulatory treatment standards prior to land disposal."

Signature: Al Gazdalski Date: 5/19/95
 Name: Al Gazdalski Title: QC Revised 12/8



State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421



Form Approved OMB No. 2050-0039 Expires

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest
Document No. 8112109

2. Page 1
of 1

Information in the shaded area is not required by Federal

3. Generator's Name and Mailing Address

A. State Manifest Document Number

NJA 2161069

B. State Generator's ID (Gen. Site Address)

903-442-4900

4. Generator's Phone

5. Transporter 1 Company Name

CLEAN VENTURE INC.

6. US EPA ID Number

NJ0098228-010

C. State Trans. ID-NJDEPE

5381

Decal No.

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (**903-442-4**)

E. State Trans. ID-NJDEPE

Decal No.

9. Designated Facility Name and Site Address

10. US EPA ID Number

F. Transporter's Phone ()

G. State Facility's ID

H. Facility's Phone ()

11. US DOT Description (including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)

12. Containers

No.

Type

13. Total

Quantity

14. Unit

Wt/Vol

Waste

1. Additional Descriptions for Materials Listed Above
**S. building demolition/debris
95-99% debris**

K. Handling Codes for Wastes Listed Above

2. Special Handling Instructions and Additional Information

903-442-4900

5381

PLATE #

13. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name, classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Signature

Month Day

14. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day

15. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month Day

ROLL-OFF _____

ENVIRONMENTAL TRANSPORT GROUP, INC.

P.O. BOX 296 FLANDERS, NEW JERSEY 07836

(201) 347-8200 FAX: (201) 347-3544

MANIFEST # _____

DUMPER

CUSTOMER: _____

ATTN: _____

SPOT _____

LOAD & GO _____

NAME: _____
DATE _____ TIME _____

LOCATION: _____

SPOT CHARGES: \$ _____

TRACTOR # _____

TRAILER # _____

DRIVER _____

JOB # _____

P.O. # _____

W.O. # _____

IN: _____ OUT: _____ TIME CHARGED _____ \$ _____

DELAY EXPLANATION _____

SIGNATURE _____

PICK-UP CONTAINER: _____

DATE _____ TIME _____

NAME: _____

LOCATION: _____

TRACTOR # _____

TRAILER # _____

DRIVER _____

JOB # _____

P.O. # _____

W.O. # _____

IN: _____ OUT: _____ TIME CHARGED _____ \$ _____

DELAY EXPLANATION _____

RENTAL CHARGES: _____ X _____ = AMOUNT: \$ _____
DAYS

SIGNATURE _____

UNLOAD: _____

DATE _____ TIME _____

DISPOSAL SITE: _____

IN: _____ OUT: _____ TIME CHARGED _____ \$ _____

DELAY EXPLANATION _____

SIGNATURE _____ LINER \$ _____

FUEL SURCHARGE \$ _____

TOTAL: \$ _____

877490362

B · R · O · W · N

5/22, DAT

SHIP TO

Brown Chem. Co.
302 West Oakland Ave
Oakland, N.J.

BILL OF LADING NUM

CODE	CONTAINER TYPE	NUMBER RETURNED	DEPOSIT
	Sulfuric Acid Del	4	@ \$
	Hydro Chloric Acid Act II	1	@ \$
			@ \$
			@ \$
			@ \$
			@ \$
			@ \$
			@ \$
			@ \$
			@ \$
			@ \$
			@ \$
			@ \$
			@ \$
			@ \$
			@ \$
			@ \$
			@ \$
			@ \$
			@ \$
			@ \$
			@ \$
(@ \$

DRIVER

1 COPY

877490363

Bill Of Lading

877490364

UST. NO.

DATE

B·R·O·W·N

CHEMICAL COMPANY, INC.

302 West Oakland Avenue ■ P.O. Box 440 ■ Oakland, N.J. 07436-0440
(201) 337-0900 ■ 1 (800) 888-9822 ■ FAX: (201) 337-9026

*Brown Chem. Co.
302 West Oakland Ave.
Oakland, N.J.*

BILL OF LADING NUMBER

CUSTOMER ORDER NO.	SALESMAN NO.	SHIPPED VIA

DE D.	UNITS SHIPPED	H M	PACKAGE	DESCRIPTION	QUANTITY (LBS./GALS.)	
					NET	GROSS
	1		Fiber Pak	Fluorescein (Hidacid raw material)	100	105

DISTANCE IN ANY TRANSPORTATION EMERGENCY INVOLVING CHEMICALS:
DAY OR NIGHT
FREE - (800) 424-9300

RECEIVED ABOVE MERCHANDISE IN GOOD CONDITION

PREPARED BY

FOR

THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELLED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATION OF THE DEPARTMENT OF TRANSPORTATION.

FOREMAN

217 South First Street, Elizabeth, NJ 07206 • 908-355-5800, FAX: 908-355-0562

LAND DISPOSAL RESTRICTIONS NOTIFICATION AND CERTIFICATION FORM

USEPA ID No. NTD001315282

I. MANIFEST INFORMATION

I certify under penalty of law that I personally have examined and am familiar with the waste and that it contains only wastes which have not been excluded under appendix IV to 40 CFR Part 268, or wastes not subject to regulation under 40 CFR Part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment.

LINE ITEM	RCRA CODE	WW	NWW	APPLICABLE SUBCATEGORY
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	

F001 - F005 SPENT SOLVENT WASTES CONSTITUENT(S)

CD_F001	ABCD_F002	ABCD_F003	ABCD_F004	ABCD_F005
ABCD_ acetone		ABCD_ ethyl ether		
ABCD_ benzene		ABCD_ methanol		
ABCD_ n-butyl alcohol		ABCD_ methylene chloride		
ABCD_ iso-butyl alcohol		ABCD_ methyl ethyl ketone		
ABCD_ carbon disulfide		ABCD_ methyl isobutyl ketone		
ABCD_ carbon tetrachloride		ABCD_ nitrobenzene		
ABCD_ chlorobenzene		ABCD_ pyridine		
ABCD_ m-cresol		ABCD_ tetrachloroethylene		
ABCD_ o-cresol		ABCD_ toluene		
ABCD_ p-cresol		ABCD_ 1,1,1-trichloroethane		
ABCD_ cresylic acid		ABCD_ 1,1,2-trichloroethane		
ABCD_ cyclohexanone		ABCD_ trichloroethylene		
ABCD_ o-dichlorobenzene		ABCD_ trichloromonofluoromethane		
ABCD_ ethyl acetate		ABCD_ 1,1,2-trichloro-1,2,2-trifluoroethane		
ABCD_ ethyl benzene		ABCD_ xylenes		

CALIFORNIA LIST WASTES

- ABCD_ NICKEL ≥ 134 mg/l
 ABCD_ LIQUIDS WITH PCB's ≥ 50 PPM
 ABCD_ THALLIUM ≥ 130 mg/l
 ABCD_ HALOGENATED ORGANIC CARBON (HOC's) ≥ 1000 mg/l

NON HAZARDOUS WASTE CERTIFICATION

certify that the following manifest line items are not subject to any land disposal restrictions as specified in 40 CFR Part 268, Subpart D and all applicable prohibitions set forth in Part 268 or RCRA Section 3004 (d).

ID_ NON HAZ CODE X910 ABCD_ NON HAZ CODE _____
 ID_ NON HAZ CODE _____ ABCD_ NON HAZ CODE _____

CERTIFICATION

certify that I personally examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste described on this page does not comply with the treatment standards specified in 40 CFR 268, Subpart D or RCRA Section 3004(d), and all applicable prohibitions set forth in appropriate regulatory treatment standards prior to land disposal.

Signature: Al Gazdarski Date: 5/22/95
 Name: Al GAZDARSKI Title: QC



State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421



* 2 1 6 1 0 6

se type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expn

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded area is not required by Federal
3. Generator's Name and Mailing Address CLEANVENTURE INC. 1000 10TH ST. TRENTON, NJ 08611-2000		4. Generator's Phone (609) 255-5600		A. State Manifest Document Number NJA 2161061	
5. Transporter's Company Name CLEANVENTURE INC.		6. US EPA ID Number 1000 10TH ST.		B. State Generator's ID (Gen. Site Address) 1000 10TH ST.	
7. Transporter's Company Name Evansville Transport Group Inc		8. US EPA ID Number 1000 10TH ST.		C. State Trans. ID NJDEPE 1000 10TH ST.	
9. Designated Facility Name and Site Address COLE GEN INC. 210 SOUTH FIRST ST. ELIZABETH, NJ 07208-1000		10. US EPA ID Number 1000 10TH ST.		D. Transporter's Phone (609) 442-4900	
				E. State Trans. ID NJDEPE 1000 10TH ST.	
				F. Transporter's Phone (609) 442-4900	
				G. State Facility's ID 1000 10TH ST.	
				H. Facility's Phone (609) 355-5600	
11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) a. HAZARDOUS WASTE		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
b. HAZARDOUS WASTE					
c. HAZARDOUS WASTE					
d. HAZARDOUS WASTE					
J. Additional Descriptions for Materials Listed Above S. building demolition/debris		K. Handling Codes for Wastes Listed Above			
a. 95-999 debris		b. 95-999 debris			
15. Special Handling Instructions and Additional Information PLATE 1000 10TH ST.		908-442-4900			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation at the best waste management method that is available to me and that I can afford.					
Printed/Typed Name John J. Decker		Signature <i>[Signature]</i>		Month Da 11 17	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name John J. Decker		Signature <i>[Signature]</i>		Month Da 11 17	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Da	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name					
Signature					
Month Da					

In case of an emergency or spill immediately call the state the emergency occurred in and the N.J. Dept. of Environmental Protection and Energy. (609) 292-7111.

877490367

16
ROLL-OFF

DUMPER

CUSTOMER: Clendinning

ENVIRONMENTAL TRANSPORT GROUP, INC.

P.O. BOX 396 FLANDERS, NEW JERSEY 07834

(201) 347-8200 FAX: (201) 347-3564

MANIFEST

ATTN: _____

SPOT

DATE

TIME

LOAD & GO

NAME: ADP

LOCATION: Landfill

SPOT CHARGES: \$

TRACTOR # 221

TRAILER # 141

DRIVER BILL S.

JOB #

P.O. #

W.O. #

IN: _____

OUT: _____

TIME CHARGED _____

\$

DELAY EXPLANATION _____

SIGNATURE _____

PICK-UP CONTAINER: 50

DATE

TIME

NAME: ADP

LOCATION: Landfill

TRACTOR # 231

TRAILER # 141

DRIVER ADP

JOB #

P.O. #

W.O. #

IN: _____

OUT: _____

TIME CHARGED _____

\$

DELAY EXPLANATION Removal of 1000 lbs of debris

RENTAL CHARGES: _____

X

= AMOUNT: \$

DAYS

SIGNATURE _____

UNLOAD: _____

DATE

TIME

DISPOSAL SITE: Landfill

IN: _____

OUT: _____

TIME CHARGED _____

\$

DELAY EXPLANATION _____

SIGNATURE _____

LINER

\$

FUEL SURCHARGE

\$

TOTAL: \$

877490368



877490369

Recycling Treatment & Disposal of Hazardous Waste

217 South First Street, Elizabeth, NJ 07206 • 908-355-5800, FAX: 908-355-0562

CYCLE CHEM, INC.
217 S. FIRST ST.
ELIZABETH NJ 07206
NJD002200046

**LAND DISPOSAL RESTRICTIONS
NOTIFICATION AND CERTIFICATION FORM**

Generator Napp Chemicals Manifest Number NJA 21611

USEPA ID No. NJD001315282

Is Waste Analysis available? ☒ No ☐ Yes, Copy Attached

I. MANIFEST INFORMATION

LINE ITEM	WW NWW	LIST ALL EPA HAZARDOUS WASTE CODES (RCRA CODES)	CCI PRODUCT CODES
<u>1</u>	<u>NWW</u>	<u>X910</u>	<u>CEN005-02</u>

II. 268.9 SPECIAL REQUIREMENTS FOR WASTES THAT EXHIBIT A CHARACTERISTIC

The wastes identified below contains underlying hazardous constituents as defined in 268.38

LINE ITEM	EPA NO.	TREATABILITY GROUP
ABCD_	D001	Ignitable Characteristic Wastes, except for the 261.21 (a) (1) High TOC Subcategory, that are managed in non-CWA/non-CWA equivalent/ non-Class 1 SDWA Systems.
ABCD_	D002	Corrosive Characteristic Wastes, that are managed in non-CWA/non-CWA equivalent/ non-Class 1 SDWA Systems
ABCD_	D012-D043	Wastes that are TC based on the TCLP in SW846 Method 13.

**UNDERLYING HAZARDOUS CONSTITUENTS
D001, D002, D012-D043 OR F039 WASTES**

ABCD_	ABCD_
ABCD_	ABCD_
ABCD_	ABCD_
ABCD_	ABCD_
ABCD_	ABCD_

III. LAB PACK CERTIFICATION

I certify under penalty of law that I personally have examined and am familiar with the waste and that the pack contains only wastes which have not been excluded under appendix IV to 40 CFR Part 268, or wastes not subject to regulation under 40 CFR Part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment.

RESTRICTED WASTE NOTIFICATION

LINE ITEM	RCRA CODE	WW	NWW	APPLICABLE SUBCATEGORY
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	

001 - F005 SPENT SOLVENT WASTES CONSTITUENT(S)

D_ F001	ABCD_ F002	ABCD_ F003	ABCD_ F004	ABCD_ F005
ABCD_ acetone		ABCD_ ethyl ether		
ABCD_ benzene		ABCD_ methanol		
ABCD_ n-butyl alcohol		ABCD_ methylene chloride		
ABCD_ iso-butyl alcohol		ABCD_ methyl ethyl ketone		
ABCD_ carbon disulfide		ABCD_ methyl isobutyl ketone		
ABCD_ carbon tetrachloride		ABCD_ nitrobenzene		
ABCD_ chlorobenzene		ABCD_ pyridine		
ABCD_ m-cresol		ABCD_ tetrachloroethylene		
ABCD_ o-cresol		ABCD_ toluene		
ABCD_ p-cresol		ABCD_ 1,1,1-trichloroethane		
ABCD_ cresylic acid		ABCD_ 1,1,2-trichloroethane		
ABCD_ cyclohexanone		ABCD_ trichloroethylene		
ABCD_ o-dichlorobenzene		ABCD_ trichloromonofluoromethane		
ABCD_ ethyl acetate		ABCD_ 1,1,2-trichloro-1,2,2-trifluoroethane		
ABCD_ ethyl benzene		ABCD_ xylenes		

CALIFORNIA LIST WASTES

- ABCD_ NICKEL ≥ 134 mg/l
- ABCD_ LIQUIDS WITH PCB's ≥ 50 PPM
- ABCD_ THALLIUM ≥ 130 mg/l
- ABCD_ HALOGENATED ORGANIC CARBON (HOC's) ≥ 1000 mg/l

NON HAZARDOUS WASTE CERTIFICATION

I certify that the following manifest line items are not subject to any land disposal restrictions as specified in 40 Subpart D and all applicable prohibitions set forth in Part 268 or RCRA Section 3004 (d).

D_ NON HAZ CODE X910 ABCD_ NON HAZ CODE _____
D_ NON HAZ CODE _____ ABCD_ NON HAZ CODE _____

CERTIFICATION

I certify that I personally examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste described on this page does not comply with the treatment standards specified in 40 CFR 268, Subpart D or RCRA Section 3004(d), and all applicable prohibitions with in appropriate regulatory treatment standards prior to land disposal.

Signature: Al Gazdarski Date: 5/22/95
Name: Al Gazdarski Title: GC 877490370



State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421



* 2 1 6 1 0 6

Use type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest
Document No. 07

2. Page 1
of 1

Information in the shaded area
is not required by Federal law

3. Generator's Name and Mailing Address

444 DENTALS INC.

199 MAIN ST.

LEON

NJ 07034-0000

A. State Manifest Document Number

NJA 2161067

B. State Generator's ID (Gen. Site Address)

C. State Trans. ID-NJDEP

Decal No. 6173

D. Transporter's Phone (908) 442-4900

E. State Trans. ID-NJDEP

Decal No. 6173

F. Transporter's Phone (908) 442-4900

G. State Facility's ID

H. Facility's Phone (908) 442-4900

4. Generator's Phone (908) 442-4900

5. Transporter 1 Company Name

CLEAN VENTURE INC.

6. US EPA ID Number

000982281010

7. Transporter 2 Company Name

ETG

8. US EPA ID Number

000982281010

9. Designated Facility Name and Site Address

CIRCLE ONE INC.

317 SOUTH FIRST ST.

ELIZABETH

10. US EPA ID Number

000982281010

11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)

HM

a. WASTE THERMAL PROCESS UNIT

ON DOG-100 PERA

910

12. Containers

No.

Type

13. Total Quantity

Unit

Wt/Vol

1. Waste No

910

GENERATOR

J. Additional Descriptions for Materials Listed Above

S. Building demolition/debris

95-99% debris

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

PIR 12 11/22/88

PIR 12 61737

AD 14702-00005-00

908-442-4900

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present or future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and use the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Signature

Month Day

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

Signature

Month Day

877490371

ROLL-OFF

ENVIRONMENTAL TRANSPORT GROUP, INC.

P.O. BOX 296 FLANDERS, NEW JERSEY 07836

(201) 347-8200 FAX: (201) 347-3564

MANIFEST #

DUMPER

CUSTOMER: Alend Bros

ATTN: _____

SPOT

LOAD & GO

NAME:

DATE

TIME

LOCATION:

SPOT CHARGES: \$

TRACTOR #

TRAILER #

153

DRIVER

JOB #

P.O. #

W.O. #

IN:

OUT:

TIME CHARGED

\$

DELAY EXPLANATION

SIGNATURE

PICK-UP CONTAINER:

DATE

TIME

NAME:

LOCATION:

TRACTOR #

TRAILER #

DRIVER

JOB #

P.O. #

W.O. #

IN:

OUT:

TIME CHARGED

\$

DELAY EXPLANATION

RENTAL CHARGES:

DAYS

X

= AMOUNT:

\$

SIGNATURE

UNLOAD:

DISPOSAL SITE:

DATE

TIME

IN:

OUT:

TIME CHARGED

\$

DELAY EXPLANATION

SIGNATURE

LINER

\$

FUEL SURCHARGE

\$

TOTAL: \$

877490372



United Cooperage

C O R P O R A T I O N

No 1730

P.O. Box 22 Berlin, NJ 08009 (609) 767-6644 1-800-775-6645 Fax (609) 768-9747

NAME Nass Technologies

ADDRESS 199 Main St

CITY Lodi STATE NJ ZIP 07644

DATE 5-29-95

CUSTOMER PO Verbal - Keith

QUANTITY	DESCRIPTION	PRICE	AMOUNT
117	112 empty drums		

REC'D. George W. Alivante

EMPTY DRUM CERTIFICATION

I hereby certify that these drums are "empty" as that term is defined in the National Environmental Protection Agency regulations, 40 CFR 261.7*, and that they have been properly prepared for transportation under the regulations of the U.S. Department of Transportation, 49 CFR 173.29.**

Print Name Al GAZDIALSKI

Signature Al GAZDIALSKI 5/24/95

*With regard to most regulated residues, EPA's 40 CFR 261.7 says:

"A container... is empty if:

(I) All wastes have been removed that can be removed using the practices commonly employed to remove materials from that type of container, e.g., pouring, pumping, and aspirating.

and

(II) No more than 2.5 centimeters (one inch) of residue remain on the bottom of the container..."

EPA has explained this rule, saying that "one inch of waste material is an overriding constraint and may remain in an empty container only if it cannot be removed by normal means. The rationale for this provision is that there are certain tars and other extremely viscous materials that will remain in the container even after the container is emptied by normal means."

For residues of products specifically listed by name in 40 CFR 261.33(e), EPA says the container is empty only "if the container... has been triple-rinsed using a solvent capable of removing" the product, or has been cleaned by another method shown to achieve equivalent removal.

**DOT's 49 CFR 173.29 says that all openings on the empty container must be closed, and that all markings and labels must be in place as if the drum were full of its original contents. A DOT shipping paper is not required for transportation of a drum for reconditioning via contract or private motor carrier. DOT placarding is not required for vehicles carrying empty containers.

"DEALER IN STEEL DRUMS"

877490373



877490374

Recycling Treatment & Disposal of Hazardous Waste

217 South First Street, Elizabeth, NJ 07206 • 908-355-5800, FAX: 908-355-0562

CycleChem, INC.
500 S. FIRST ST.
ELIZABETH NJ 07206
002200046

**LAND DISPOSAL RESTRICTIONS
NOTIFICATION AND CERTIFICATION FORM**

Generator NAPP TECHNOLOGIES INC. Manifest Number NTA 2102326

EPA ID No. NJD001315282

Waste Analysis available? ☒ No ☐ Yes, Copy Attached

MANIFEST INFORMATION

LINE ITEM	WW NWW	LIST ALL EPA HAZARDOUS WASTE CODES (RCRA CODES)	CCI PRODUCT CODES
<u>A</u>	<u>NWW</u>	<u>X900</u>	

268.9 SPECIAL REQUIREMENTS FOR WASTES THAT EXHIBIT A CHARACTERISTIC
wastes identified below contains underlying hazardous constituents as defined in 268.38

ITEM	EPA NO.	TREATABILITY GROUP
<u>D_</u>	<u>D001</u>	<u>Ignitable Characteristic Wastes, except for the 261.21 (a) (1) High TOC Subcategory, that are managed in non-CWA/ non-CWA equivalent/ non-Class 1 SDWA Systems.</u>
<u>D_</u>	<u>D002</u>	<u>Corrosive Characteristic Wastes, that are managed in non-CWA/ non-CWA equivalent/ non-Class 1 SDWA Systems.</u>
<u>D_</u>	<u>D012-D043</u>	<u>Wastes that are TC based on the TCLP in SW846 Method 1311.</u>

UNDERLYING HAZARDOUS CONSTITUENTS
1. D002, D012-D043 OR F039 WASTES

ABCD _____
ABCD _____
ABCD _____
ABCD _____
ABCD _____

ABCD _____
ABCD _____
ABCD _____
ABCD _____
ABCD _____

LAB PACK CERTIFICATION

line items, _____, _____, _____, _____, _____, _____, _____, _____

I certify under penalty of law that I personally have examined and am familiar with the waste and that the lab contains only wastes which have not been excluded under appendix IV to 40 CFR Part 268, or solid waste is not subject to regulation under 40 CFR Part 261. I am aware that there are significant penalties for submitting a false certification, including the possibility of fine or imprisonment.

RESTRICTED WASTE NOTIFICATION

877490375

LINE ITEM	RCRA CODE	WW	NWW	APPLICABLE SUBCATEGORY
ABCD_		[]	[]	
JCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	
ABCD_		[]	[]	

F001 - F005 SPENT SOLVENT WASTES CONSTITUENT(S)

3CD_ F001 ABCD_ F002 ABCD_ F003 ABCD_ F004 ABCD_ F005

ABCD_ acetone	ABCD_ ethyl ether
ABCD_ benzene	ABCD_ methanol
ABCD_ n-butyl alcohol	ABCD_ methylene chloride
ABCD_ iso-butyl alcohol	ABCD_ methyl ethyl ketone
ABCD_ carbon disulfide	ABCD_ methyl isobutyl ketone
ABCD_ carbon tetrachloride	ABCD_ nitrobenzene
ABCD_ chlorobenzene	ABCD_ pyridine
ABCD_ m-cresol	ABCD_ tetrachloroethylene
ABCD_ o-cresol	ABCD_ toluene
ABCD_ p-cresol	ABCD_ 1,1,1-trichloroethane
ABCD_ cresylic acid	ABCD_ 1,1,2-trichloroethane
ABCD_ cyclohexanone	ABCD_ trichloroethylene
ABCD_ o-dichlorobenzene	ABCD_ trichloromonofluoromethane
ABCD_ ethyl acetate	ABCD_ 1,1,2-trichloro-1,2,2-trifluoroethane
ABCD_ ethyl benzene	ABCD_ xylenes

I. CALIFORNIA LIST WASTES

ABCD_ NICKEL \geq 134 mg/l
ABCD_ LIQUIDS WITH PCB's \geq 50 PPM
ABCD_ THALLIUM \geq 130 mg/l
ABCD_ HALOGENATED ORGANIC CARBON (HOC's) \geq 1000 mg/l

II. NON HAZARDOUS WASTE CERTIFICATION

certify that the following manifest line items are not subject to any land disposal restrictions as specified in 40 CFR Subpart D and all applicable prohibitions set forth in Part 268 or RCRA Section 3004 (d).

3CD_ NON HAZ CODE X900 ABCD_ NON HAZ CODE _____
3CD_ NON HAZ CODE _____ ABCD_ NON HAZ CODE _____

II. CERTIFICATION

notify that I personally examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this notification that the waste described on this page does not comply with treatment standards specified in 40 CFR 268, Subpart D or RCRA Section 3004(d), and all applicable prohibitions for an appropriate regulatory treatment standards prior to land disposal."

Signature: Al Gazdalski Date: 5/24/95
Print Name: Al Gazdalski Title: QC



State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
CN 421, Trenton, NJ 08625-0421



Type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
Generator's Name and Mailing Address APP TECHNOLOGIES INC. 99 MAIN STREET BRIDGE PLAZA NEW JERSEY 07644 Generator's Phone: 908 355-6630		6. US EPA ID Number NJ000113152820116		A. State Manifest Document Number NJA 2102326		
Transporter 1 Company Name LEAN VENTURES INC.		8. US EPA ID Number NJ000113152820116		B. State Generator's ID (Gen. Site Address) SAME		
Designated Facility Name and Site Address YCLE CHEM 17 SOUTH FIRST STREET LIZARDTOWN NEW JERSEY 07022-2046		10. US EPA ID Number NJ000113152820116		C. State Trans. ID-NUDEPE 958111 Decal No.:		
US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) HM WASTE CHEMICAL PROCESS LIQUID NOS NON DOT NON RCRA MATERIAL		12. Containers No. Type		13. Total Quantity 14. Unit Wt/Vol Waste No.		
Additional Descriptions for Materials Listed Above 12 HVL PARADEN / H2O SLURRY 100%		K. Handling Codes for Wastes Listed Above a. c. b. d.				
Special Handling Instructions and Additional Information DATE = NJ-XAH2928 CALL# 65702 EMERGENCY PHONE # (908) 442-4900 CVI Job# 5399						
GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name Al. GAZDULSKI		Signature <i>[Signature]</i>		Month Day Year 10/5/24/95		
Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>[Signature]</i>		Month Day Year 10/5/24/95		
Printed/Typed Name David Cunningham		Signature <i>[Signature]</i>		Month Day Year 10/5/24/95		
Transporter 2 Acknowledgement of Receipt of Materials		Signature <i>[Signature]</i>		Month Day Year 10/5/24/95		
Printed/Typed Name		Signature		Month Day Year		
Discrepancy Indication Space						

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

Shipper's No. _____

CARRIER: Presidential Express

SCAC Carrier's No. _____ Date _____

TO: Consignee Presidential Express
Street _____
City HARRISON NJ Zip _____

FROM: Shipper NAPP TECH
Street Lodi
City N.J. Zip _____

Vehicle Number _____ U.S. DOT Hazmat Reg _____

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	PACKING GROUP	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exempt)
61		DRS Chemicals <u>NOT HARMLESS</u>						
15		<u>part</u> LOOSE MACHINE + PARTS						
1		SCALE						
						20000 lbs		

Remit C.O.D. to:

Address: _____ City: _____ State: _____ Zip: _____

COD Amt: \$ _____

C. O. D. FEE: Prepaid ☐ Collect ☐ \$ _____

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ Per _____

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
(Signature of Consignor)

FREIGHT CHARGE: ☐ PREPAID ☐ COLLECT

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of containers, packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property on or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his agent.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

PLACARDS REQUIRED

PLACARDS SUPPLIED

☐ YES ☐ NO - FURNISHED BY CARRIER'S SIGNATURE

SHIPPER: [Signature]
DATE: _____

CARRIER: PRESIDENTIAL EXPRESS
PER: W. HUGH
DATE: 3/29/95

EMERGENCY RESPONSE TELEPHONE NUMBER: _____

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

877490377

BARRETT

8

ADVANCED FORKLIFTS
 Sales - Service - Rental - Parts - Leasing
 3 Essex St. P.O. Box 76
 BELLEVILLE, NJ 07109
 (201) 751-7800 FAX (201) 751-2203

778-3026

**White**

LESSEE MUST CALL RENTAL DEPT. AT THE ABOVE TELEPHONE NO. TO TERMINATE RENTAL

RENTED TO: (LESSEE)

NAPP CHEMICAL
 ATTN: PURCHASING
 199 MAIN STREET
 LODI, NJ 07644

*Delivered
 TO:*

CUSTOMER ORDER NUMBER

0018126 *Debbie*

DATE OF ORDER

5/15/95

SHORT TERM RENTAL

(✓)

LONG TERM RENTAL

(✓)

HOUR METER READING

DATE RETURNED

DATE SHIPPED

HOURS USED

5/17/95

9 6 2 7

SHIPPED TO

PRESIDENTIAL EXPRESS/NAPP
 101 Essex Street
 Harrison, NJ 07029
 Attn: Julie 481-0311

RENTAL RATES

DAILY

WEEKLY

MONTHLY

920.00

RENTAL AGREEMENT NUMBER

No.

No. 01385

MAKE

Clark

EQUIPMENT UNDER RENTAL

CHARGES

MODEL	SERIAL NUMBER	RENTAL #
HASSIS	C500-50	355-353-2518
TACH		562
TIER		
CHARGER		
O.G.	LB.R.	POWER
		FORKS
		<input type="checkbox"/> STD. <input type="checkbox"/> CHISEL
FH	LIFT CAPACITY	LBS @ INCHES OF LIFT

*Fork Truck #6
 went out 5/25/95*

RATES SUBJECT TO CHANGE UPON WRITTEN NOTICE

DELIVERY	<input type="checkbox"/> GROUND <input type="checkbox"/> DOCK	\$245.00
PICK UP	<input type="checkbox"/> GROUND <input type="checkbox"/> DOCK	\$
8 HR. DAY		\$
40 HR. WEEK		\$
100 HR. MONTH (WEEKS)		\$
OVERTIME PER HOUR		\$

SHIPMENT	OPERATIONAL/APPEARANCE INSPECTION	RETURN (DESCRIBE) OPERATIONAL/APPEARANCE CHANGES
WARNING DECALS	<input type="checkbox"/> IN PLACE <input type="checkbox"/> MISSING	DEFACED
OPERATOR'S MANUAL	<input type="checkbox"/> IN PLACE <input type="checkbox"/> MISSING	DEFACED
PARK BRAKE	<input type="checkbox"/> OPERATIONAL <input type="checkbox"/> YES <input type="checkbox"/> NO	
WHEEL BRAKE	<input type="checkbox"/> OPERATIONAL <input type="checkbox"/> YES <input type="checkbox"/> NO	
WHEEL GAUGES	<input type="checkbox"/> GOOD <input type="checkbox"/> DAMAGED	MISSING
STEEL METAL	<input type="checkbox"/> GOOD <input type="checkbox"/> DAMAGED	MISSING
DRKS	<input type="checkbox"/> GOOD <input type="checkbox"/> DAMAGED	MISSING
LOAD BACKREST EXT.	<input type="checkbox"/> GOOD <input type="checkbox"/> DAMAGED	MISSING
WINDING/REELS	<input type="checkbox"/> GOOD <input type="checkbox"/> DAMAGED	MISSING
APPEARANCE	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR	DEFACED
HYD CYLINDER	<input type="checkbox"/> GOOD <input type="checkbox"/> DAMAGED	MISSING
STEER AXLE	<input type="checkbox"/> GOOD <input type="checkbox"/> DAMAGED	MISSING
RES	<input type="checkbox"/> GOOD <input type="checkbox"/> DAMAGED	MISSING

*SHADED AREA FOR RETURNS ONLY

CUSTOMER IS RESPONSIBLE FOR TIRE DAMAGE AND REPAIRS
 UNIT MUST BE RETURNED WITH SERVICEABLE TIRES, LESS WEAR & TEAR

The described Equipment has been received in good repair and operating condition along with an operators manual and is accepted by LESSEE, subject to the terms of a written Rental Agreement between LESSEE and LESSOR or, if there is no such written Rental Agreement then subject to the terms and conditions on the reverse side hereof, which are hereby made a part hereof by reference as if fully set forth herein.

RECEIVED IN ABOVE DESCRIBED CONDITION (SIGNATURE)

RETURNED IN ABOVE DESCRIBED CONDITION (SIGNATURE)

AS PER RENTAL AGREEMENT
 7/20/94 REV. DEC. 88

RENTAL FILE

877490378



LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: NAPP CHEMICALS INC
PAE4240810

Generator EPA ID Number: NJD001315282

Manifest Number: _____

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and reconstruction requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section

11a Approval/Lab Code: AD38235

Waste Water: N Non Waste Water: Y UHC's: Y Class Group: A

Waste Codes: D001 D002

Sub Categories:

HIGH TOC IGNITABLE CHARACTERISTIC LIQUIDS

CORROSIVE CHARACTERISTIC WASTES, CWA, CWA-EQUIVALENT, OR CLASS I SDWA SYSTEMS

Constituent(s):

NO UHC'S IN WASTE

11b Approval/Lab Code: AD38226

Waste Water: N Non Waste Water: Y UHC's: Y Class Group: A

Waste Codes: D002

Sub Categories:

CORROSIVE CHARACTERISTIC WASTES, CWA, CWA-EQUIVALENT, OR CLASS I SDWA SYSTEMS

Constituent(s):

NO UHC'S IN WASTE

See back for descriptions of classification groups and classification group certification statement.

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature: Al Kozlowski

Title: QC

Date: 5-26-95

877490380

STRAIGHT

BILL OF LADING

REPUBLIC ENVIRONMENTAL SYSTEMS

2337 NORTH PENN ROAD
HATFIELD PA 19440

X

393707 1/1

OF PICKUP 5-26-95 EPA IDENTIFICATION CODE NO. NJD001315282
 GENERATOR NAPP CHEMICALS INC ADDRESS 199 MAIN STREET
 CITY LODI STATE NJ ZIP 07644 PHONE 201 773-3900
 CONTACT: BOB LOEWENSTEIN BROKER:

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit Wt./Vol.	Waste No.
	No.	Type			
RQ WASTE CORROSIVE LIQUIDS, FLAMMABLE, N.O.S., 8, UN2920, PG II (ISOPROPYL ALCOHOL, HEXA METHYLENE DIAMINE)	XX8	DM	XX440	G	0001
RQ WASTE CORROSIVE LIQUIDS, N.O.S., 8, UN1760, PG II (NITRIC ACID)	XX7	DM	XX385	G	0002

Additional Information/Lab Code

AD38235 S01

Emergency Phone#

AD38226 S01

INTRACT/PO NO. H

OF OVERPACKS USED

RT TIME 0530 hrsVAL AT CUSTOMER 0730 hrs

PARTED CUSTOMER

LAY TIME

SPECIAL INSTRUCTIONS / REASONS FOR DELAY

OVER PACK 1 DRUM
IF OVER PACK USED 1

GENERATOR CERTIFICATION:

I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations. I also certify that all times listed above are true and correct.

Print Name Al GazdalskiSignature Al GazdalskiDate 5-26-95ACTOR # 36TRAILER# 3140BOX SPOTTED# —BOX PICKED UP# —LINER —

TRANSPORTER #1

MPANY REPUBLIC ENV. SYS. (PA)PHONE NUMBER 215 822-8995INT NAME Charles H. Beck JrSIGNATURE [Signature]DATE —EPA ID NO. PAD085690592

TRANSPORTER #2

MPANY REPUBLIC ENV SYS (TRANS GROUP)PHONE NUMBER 215 822-2676EPA ID NO. PAD982661381INT NAME —SIGNATURE —DATE —DE ARRIVAL TIME —REASON FOR DELAY —DE DEPARTURE TIME —LAY TIME —HISH TIME —SIGNEE/TREATMENT/STORAGE/ DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. PAD085690592SIGNED TO REPUBLIC ENV SYS (PA), INC.ADDRESS 2869 SANDSTONE DRIVE

HATFIELD

STATE PAZIP 19440PHONE 215-822-8995

SIS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

NT NAME —SIGNATURE —DATE —

1e - GENERATOR FILE
 1 - TRANSPORTER FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)
 Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE

FORM #102 B



PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES

Bureau of Waste Management

P.O. Box 8550

Harrisburg, PA 17105-8550

OFFICIAL PENNSYLVANIA MANIFEST FORM

ER-WM-51 REV. 10/94

Form approved

OMB No. 2050

Expires 9-30-96

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest
Document No.2. Page 1
of 1Information within the blue border is
required by Federal law but may be
required by State law.

Generator's Name and Mailing Address

NAPP CHEMICALS INC

99 MAIN STREET P O BOX 900
LODI NJ 07644

201 773-3900

A. State Manifest Document Number

PAE 4240810

B. State Gen. ID

SAME

5. Transporter 1 Company Name

6. US EPA ID Number

REPUBLIC ENV. SYS. (PA)

PAD085690592

C. State Trans. ID

PA-AH 506209

7. Transporter 2 Company Name

8. US EPA ID Number

REPUBLIC ENV SYS (TRANS GROUP)

PAD982661381

D. Transporter's Phone (

215 822-8999

E. State Trans. ID

PA-AH 0317

9. Designated Facility Name and Site Address

10. US EPA ID Number

REPUBLIC ENV SYS (PA), INC.
2869 SANDSTONE DRIVE
HATFIELD PA 19440

PAD085690592

F. Transporter's Phone (

215 822-2672

G. State Facility's ID

H. Facility's Phone (

215 822-8995

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

No.

Type

13. Total
Quantity14. Unit
Wt/VolL
Waste Na. RQ WASTE CORROSIVE LIQUIDS, FLAMMABLE, N.O.S., 8,
UN2920, PG II, (ISOPROPYL ALCOHOL,
HEXA METHYLENE DIAMINE), (D001)*

XX8

DM

XX440

G

6 000

b. RQ WASTE CORROSIVE LIQUIDS, N.O.S., 8, UN1760, PG II,
(NITRIC ACID), (D002)

XX7

DM

XX385

G

6 000

Additional Descriptions for Materials Listed Above

Lab Pack

Physical State

Lab Pack

Physical State

K. Handling Codes for Wastes Listed Above

a. S01

c.

b. S01

d.

15. Special Handling Instructions and Additional Information

11A- 0002

EMERGENCY PHONE (201) 773-3991

DICAL# 64696

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Al Gajdalski

Signature

Al Gajdalski

MONTH DAY YEAR

12 5 1995

17. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name

Charles H. Beck Jr

Signature

Charles H. Beck Jr

MONTH DAY YEAR

12 5 1995

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name

Signature

MONTH DAY YEAR

19. Discrepancy Indication Space

Facility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

MONTH DAY YEAR

877490382

STRAIGHT

BILL OF LADING

REPUBLIC ENVIRONMENTAL SYSTEMS

2337 NORTH PENN ROAD
HATFIELD PA 19440

Number 393718 1/1

DATE OF PICKUP 5-26-95 EPA IDENTIFICATION CODE NO. NJ0001315282
 GENERATOR NAPP CHEMICALS INC ADDRESS 199 MAIN STREET
LODI STATE NJ ZIP 07644 PHONE 201 773-3900
 CONTACT: BOB LOEWENSTEIN BROKER:

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

NON DOT/RCRA HAZ SLUDGE NOT DOT REGULATED

Containers

No.

Type

Total
QuantityUnit
WL/Vol.

Waste No.

X 17 DM X 8500 P N / A

Additional Information/Lab Code

WD12593 S01

Emergency Phone#

INTRACT/PO NO. H

OF OVERPACKS USED

RT TIME 0530 hrsVAL AT CUSTOMER 0730 hrs

PARTED CUSTOMER

LAY TIME

SPECIAL INSTRUCTIONS / REASONS FOR DELAY

GENERATOR CERTIFICATION:

I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations. I also certify that all times listed above are true and correct.

Print Name Al GAZDARSKI Signature Al Gajdarski Date 5-26-95

ACTOR # 36TRAILER# 3140BOX SPOTTED# —BOX PICKED UP# —LINER —

ANSPORTER #1

MPANY

REPUBLIC ENV. SYS. (PA)

PHONE NUMBER 215 822-8995EPA ID NO. PAD085690592INT NAME Charles H. Beck JrSIGNATURE [Signature]DATE 5-26-95

ANSPORTER #2

MPANY

REPUBLIC ENV SYS (TRANS GROUP)

PHONE NUMBER 215 822-2676EPA ID NO. PAD982661381

INT NAME

SIGNATURE

DATE

OF ARRIVAL TIME

REASON FOR DELAY

OF DEPARTURE TIME

LAY TIME

HISH TIME

NSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. PAD085690592SIGNED TO REPUBLIC ENV SYS (PA), INC.ADDRESS 2869 SANDSTONE DRIVEHATFIELDSTATE PAZIP 19440PHONE 215 822-8995

S IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

INT NAME

SIGNATURE

DATE



Bureau of Waste Management
P.O. Box 8550
Harrisburg, PA 17105-8550

OFFICIAL PENNSYLVANIA MANIFEST FORM

Form approved
OMB No. 2050-
Expires 9-30-96

ER-WM-51 REV. 10/94

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest
Document No.

2. Page 1
of 1

Information within the blue border is
required by Federal law but may be
required by State law.

INJD001315282

140946

3. Generator's Name and Mailing Address

NAPP CHEMICALS INC

99 MAIN STREET P O BOX 900
JDI NJ 07644

201 773-3900

A. State Manifest Document Number

PAE 4240946

B. State Gen. ID

SAME

5. Transporter 1 Company Name

6. US EPA ID Number

C. State Trans. ID

REPUBLIC ENV. SYS. (PA)

PAD085690592

PA-AH

506209

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (

215 822-8994

REPUBLIC ENV SYS (TRANS GROUP)

PAD982661381

E. State Trans. ID

PA-AH

0317

9. Designated Facility Name and Site Address

10. US EPA ID Number

F. Transporter's Phone (

215 822-2671

REPUBLIC ENV SYS (PA), INC.
2869 SANDSTONE DRIVE
HATFIELD PA 19440

PAD085690592

G. State Facility's ID

H. Facility's Phone (

215 822-8995

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

No.

Type

13. Total
Quantity

14. Unit
Wt/Vol

15. Waste M

a. NON DOT/RCRA HAZ SLUDGE, NOT DOT REGULATED

X17

DM

X8500

P

N / A

b.

c.

d.

Additional Descriptions for Materials Listed Above

Lab Pack

Physical State

Lab Pack

Physical State

K. Handling Codes for Wastes Listed Above

a. S01

c.

b.

d.

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE (201) 773-39

16. GENERATOR'S CERTIFICATION:

I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

AI GAZDARSKI

Signature

AI GAZDARSKI

MONTH DAY

10 5 12 6 15

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Charles H. Beck Jr

Signature

Charles H. Beck Jr

MONTH DAY

10 5 12 6 15

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

MONTH DAY

19. Discrepancy Indication Space

Facility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

Signature

MONTH DAY

GENERATOR

FACILITY

**GAROFALO RECYCLING &
TRANSFER STATION CO., INC.**

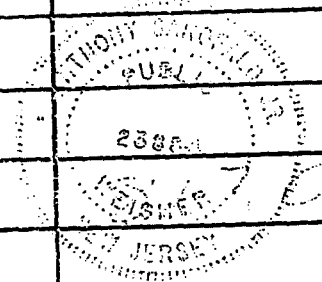
19-35 ATLANTIC STREET
GARFIELD, N. J. 07026

NO 0026

To WHP
PR 2182

DATE 6-7-95

	YARDS	DESCRIPTION	PRICE
		Compaction	
		Open Container	
		Drums	
		Wood	
		Other	



Truck # _____

Signature _____

**GAROFALO RECYCLING &
TRANSFER STATION CO., INC.**

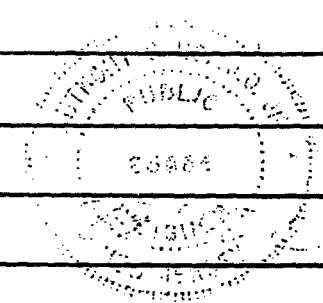
19-35 ATLANTIC STREET
GARFIELD, N. J. 07026

NO 0025

To WHP
PR 46835

DATE 6-7-95

	YARDS	DESCRIPTION	PRICE
		Compaction	
		Open Container	
		Drums	
		Wood	
		Other	



Truck # _____

Signature _____

877490384

**GAROFALO RECYCLING &
TRANSFER STATION CO., INC.**

19-35 ATLANTIC STREET
GARFIELD, N.J. 07026

NO 80

To

NAPP
PR 7706

ATE

6-7-95

	YARDS	DESCRIPTION	PRICE
		Compaction	85860
		Open Container	
		Drums	
		Wood	
		Other	

Truck #

Signature

**GAROFALO RECYCLING &
TRANSFER STATION CO., INC.**

19-35 ATLANTIC STREET
GARFIELD, N.J. 07026

NO 80

To

NAPP

DATE

6-7-95

	YARDS	DESCRIPTION	PRICE
		Compaction	PR 291
		Open Container	
		Drums	8600
		Wood	
		Other	

Truck #

Signature

877490385

**GAROFALO RECYCLING &
TRANSFER STATION CO., INC.**

19-35 ATLANTIC STREET
GARFIELD, N. J. 07026

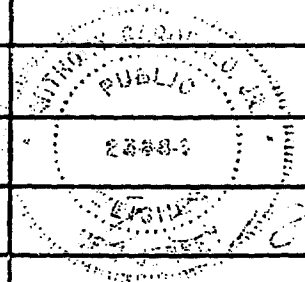
NO 0021

To NJ

DATE 6-7-95

MS 11247

	YARDS	DESCRIPTION	PRICE
		Compaction	
		Open Container	
		Drums	
		Wood	
		Other	



Truck # _____

Signature _____

**GAROFALO RECYCLING &
TRANSFER STATION CO., INC.**

19-35 ATLANTIC STREET
GARFIELD, N. J. 07026

NO 0

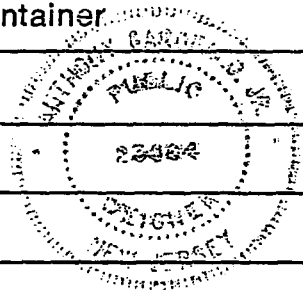
To

NADD

DATE

6/9/95

	YARDS	DESCRIPTION	PRICE
		Compaction	
		Open Container	
		Drums	
		Wood	
		Other	



70240

Truck #

Signature

**GAROFALO RECYCLING &
TRANSFER STATION CO., INC.**

19-35 ATLANTIC STREET
GARFIELD, N. J. 07026

NO 0

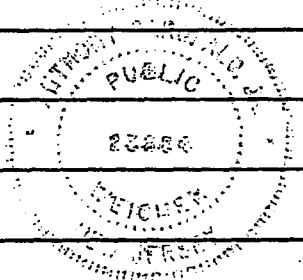
To

NADD

DATE

6-9-95

	YARDS	DESCRIPTION	PRICE
		Compaction	
		Open Container	
		Drums	
		Wood	
		Other	



43800

Truck #

Signature

877490387

**GAROFALO RECYCLING &
TRANSFER STATION CO., INC.**

19-35 ATLANTIC STREET
GARFIELD, N.J. 07026

DATE

6/9/95

To

NAPP

INC 0041

	YARDS	DESCRIPTION	PRICE
		Compaction	
		Open Container	66320
		Drums	
		Wood	
		Other	

Truck #

Signature

877490388

**GAROFALO RECYCLING &
TRANSFER STATION CO., INC.**

19-35 ATLANTIC STREET
GARFIELD, N. J. 07026

NY 09

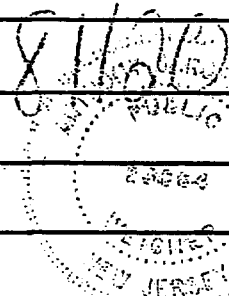
To

NAPP

DATE

6/9/95

YARDS	DESCRIPTION	PRICE
	Compaction	
	Open Container	
	Drums	811000
	Wood	
	Other	



Truck #

Signature

**GAROFALO RECYCLING &
TRANSFER STATION CO., INC.**

19-35 ATLANTIC STREET
GARFIELD, N. J. 07026

NY 09

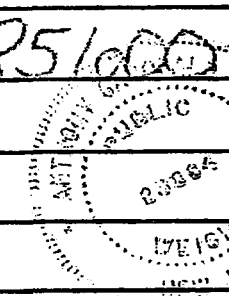
To

NAPP

DATE

6/9/95

YARDS	DESCRIPTION	PRICE
	Compaction	
	Open Container	851000
	Drums	
	Wood	
	Other	



Truck #

Signature

877490389

**GAROFALO RECYCLING &
TRANSFER STATION CO., INC.**

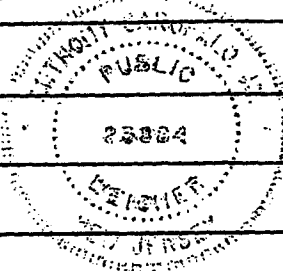
19-35 ATLANTIC STREET
GARFIELD, N. J. 07026

NO 1010

To Napp

DATE July 12 1995

	YARDS	DESCRIPTION	PRICE
		Compaction	
		Open Container	
		Drums	
		Wood	
		Other	



7745

Truck # _____

Signature _____

**GAROFALO RECYCLING &
TRANSFER STATION CO., INC.**

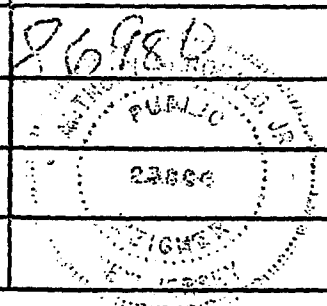
19-35 ATLANTIC STREET
GARFIELD, N. J. 07026

NO 1011

To Napp

DATE 6/10/95

	YARDS	DESCRIPTION	PRICE
		Compaction	
		Open Container	
		Drums	
		Wood	
		Other	



Truck # _____

Signature _____

877490390

**GAROFALO RECYCLING &
TRANSFER STATION CO., INC.**

19-35 ATLANTIC STREET
GARFIELD, N. J. 07026

INT

To W. J. J.

DATE 6/12/95

	YARDS	DESCRIPTION	PRICE
		Compaction	
		Open Container	
		Drums	
		Wood	
		Other	

Truck # _____

Signature _____

877490391

**GAROFALO RECYCLING &
TRANSFER STATION CO., INC.**

19-35 ATLANTIC STREET
GARFIELD, N.J. 07026

NO 0640

To

NAPP

DATE

6/8/05

	YARDS	DESCRIPTION	PRICE
		Compaction	
		Open Container	82340
		Drums	31860
		Wood	
		Other	
Load #	5		

Truck #

A358871

Signature

**GAROFALO RECYCLING &
TRANSFER STATION CO., INC.**

19-35 ATLANTIC STREET
GARFIELD, N.J. 07026

NO 0639

To

NAPP

DATE

6/8/05

	YARDS	DESCRIPTION	PRICE
		Compaction	
		Open Container	83140
		Drums	32000
		Wood	
		Other	
Load #	4		

Truck #

AA76937

Signature

877490392

**GAROFALO RECYCLING &
TRANSFER STATION CO., INC.**

19-35 ATLANTIC STREET
GARFIELD, N. J. 07026

NO 0

To

NAPP

DATE

6/8/95

	YARDS	DESCRIPTION	PRICE
		Compaction	
		Open Container	80760
		Drums	32000
		Wood	
		Other	
Load #	4		

Truck #

ABLC641

Signature

**GAROFALO RECYCLING &
TRANSFER STATION CO., INC.**

19-35 ATLANTIC STREET
GARFIELD, N. J. 07026

NO 0

To

NAPP

DATE

6/8/95

	YARDS	DESCRIPTION	PRICE
		Compaction	
		Open Container	78540
		Drums	36560
		Wood	
		Other	
Load #	3		

Truck #

AA54064

Signature

877490393

**GAROFALO RECYCLING &
TRANSFER STATION CO., INC.**

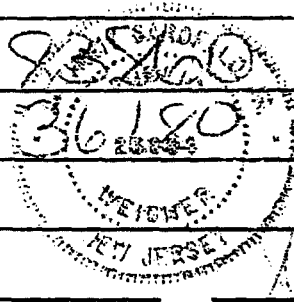
19-35 ATLANTIC STREET
GARFIELD, N.J. 07026

NO 0082

To NAPP

DATE 6/2/95

	YARDS	DESCRIPTION	PRICE
		Compaction	
		Open Container	
		Drums	
		Wood	
		Other	
Load # <u>2</u>			



Truck # AA50150

Signature _____

**GAROFALO RECYCLING &
TRANSFER STATION CO., INC.**

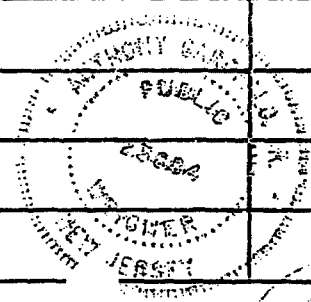
19-35 ATLANTIC STREET
GARFIELD, N.J. 07026

NO 0080

To NAPP

DATE 6/8/95

	YARDS	DESCRIPTION	PRICE
		Compaction	
		Open Container	
		Drums	
		Wood	
		Other	
Load # <u>1</u>			



Truck # AB36309

Signature _____



United Cooperage

C O R P O R A T I O N

No 3606

P.O. Box 22 Berlin, NJ 08009 (609) 767-6644 1-800-775-6645 Fax (609) 768-9747

NAME Napp Technologies

ADDRESS 199 Main St

CITY Lodi STATE NJ ZIP 07644

DATE 6-5-95

CUSTOMER PO Verbal - Kent

QUANTITY	DESCRIPTION	PRICE	AMOUNT
180	Used empty drums.		

REC'D. _____

EMPTY DRUM CERTIFICATION

I hereby certify that these drums are "empty" as that term is defined in the National Environmental Protection Agency regulations, 40 CFR 261.7*, and that they have been properly prepared for transportation under the regulations of the U.S. Department of Transportation, 49 CFR 173.29.**

Print Name Al GAZDalski

Signature Al GAZDalski

*With regard to most regulated residues, EPA's 40 CFR 261.7 says:

"A container... is empty if:

(I) All wastes have been removed that can be removed using the practices commonly employed to remove materials from that type of container, e.g., pouring, pumping, and aspirating.

and

(II) No more than 2.5 centimeters (one inch) of residue remain on the bottom of the container..."

EPA has explained this rule, saying that "one inch of waste material is an overriding constraint and may remain in an empty container only if it cannot be removed by normal means. The rationale for this provision is that there are certain tars and other extremely viscous materials that will remain in the container even after the container is emptied by normal means."

For residues of products specifically listed by name in 40 CFR 261.33(e), EPA says the container is empty only "if the container... has been triple-rinsed using a solvent capable of removing" the product, or has been cleaned by another method shown to achieve equivalent removal.

**DOT's 49 CFR 173.29 says that all openings on the empty container must be closed, and that all markings and labels must be in place as if the drum were full of its original contents. A DOT shipping paper is not required for transportation of a drum for reconditioning via contract or private motor carrier. DOT placarding is not required for vehicles carrying empty containers.

"DEALER IN STEEL DRUMS"

877490395

MEROLA ENTERPRISES, INC.

TICKET # 8040

SOUTH KEARNY, NJ
(201) 589-1600

PALM CITY, FLORIDA
(407) 287-5000

DATE 6-5-95	PWR. UNIT # 1601 TRLR. # 1001P	DRIVER MICKM
CUSTOMER QUOTE NO.:		MANIFEST/BILL OF LADING # NON HAZ MANIFEST
CUSTOMER NAME: AUCHTER		
SITE ADDRESS: VAC SERVICE LINDEN NJ		CONTAINER # IN / OUT 154-20
MEROLA YARD		UNLOADING TIME
IN		IN
OUT		OUT
LOADING TIME		RETURN TO YARD
IN 4:00 PM		IN
OUT 5:00 PM		OUT

DESCRIPTION:

1.24 LT Box #
Del TO Bedford OH

CUSTOMER SIGNATURE **S/K**

DRIVER SIGNATURE **gib**

877490396

NON-HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

NJ0001315202

Manifest
Document No.2. Page 1
of 1

3. Generator's Name and Mailing Address

Happ Chemicals Inc. Contact: Bob Lowenstein
199 Main Street, Lodi NJ 07644

4. Generator's Phone (201) 773-3900

5. Transporter 1 Company Name

Merola Enterprises, Inc.

6. US EPA ID Number

NJ00026609949

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

Evergreen Environmental Group
33 Industrial Drive
Bedford, OH 44146

10. US EPA ID Number

OH00055522429

A. Transporter's Phone 201-589-1

B. Transporter's Phone

C. Facility's Phone

216-786-7800

11. Waste Shipping Name and Description

Non DOT/RCRA Haz Solid Not DOT Regulated

12. Containers

No.

Type

13.
Total
Quantity

01 CB 24

D. Additional Descriptions for Materials Listed Above

DS35664

MS15270

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous W

Printed/Typed Name

KEITH TERRANEO

Signature

Keith Terraneo

Month

De

10/06/0

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

MIKE MONTAGUE

Signature

Mike Montague

Month

De

10/06/0

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month

De

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Month

De

GENERATOR

TRANSPORTER

FACILITY



**BERGEN COUNTY UTILITIES AUTHORITY
SOLID WASTE DIVISION**

①

1 Disposal Road
North Arlington, N.J. 07031
Telephone: (201) 955-0028 Fax: (201) 955-2024

— CUSTOMER RECEIPT —

Date: _____

Name: _____

Check No. : _____

\$ Amount: _____

★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★

Weighmaster Signature: _____

877490398



**BERGEN COUNTY UTILITIES AUTHORITY
SOLID WASTE DIVISION**

1 Disposal Road
North Arlington, N.J. 07031
Telephone: (201) 955-0028 Fax: (201) 955-2024

— CUSTOMER RECEIPT —

#4

Date: 6-6-95

Name: KEVIN TAPPER XAB1288

Check No.: 6055 80920

\$ Amount: 99,940

★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★

Weighmaster Signature: 46,980



**BERGEN COUNTY UTILITIES AUTHORITY
SOLID WASTE DIVISION**

#5

1 Disposal Road
North Arlington, N.J. 07031
Telephone: (201) 955-0028 Fax: (201) 955-2024

— CUSTOMER RECEIPT —

#38449

Date: 6-6-95

Name: James Tenney XB35210

Check No. : _____

85400
33260

\$ Amount: _____

★ ★ ★ ★ ★ ★ ★ ★ ★ ★

Weighmaster Signature: _____

52140



**BERGEN COUNTY UTILITIES AUTHORITY
SOLID WASTE DIVISION**

1 Disposal Road
North Arlington, N.J. 07031
Telephone: (201) 955-0028 Fax: (201) 955-2024

— CUSTOMER RECEIPT —

Date: 6-6-95 38449
Name: Ronald Jordan TS93045
Check No.: _____ 78020
\$ Amount: _____ 31040
46980

★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★

Weighmaster Signature: _____

877490403



RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

WASTE GENERATOR

RCC- 00009

NAME: NAPP CHEMICALS

ADDRESS: 199 MAIN STREET LODI NJ 07644
city state zip

LOCATION: SAME

TELEPHONE: (201) 773-3900 CONTACT BOB LOWENSTEIN

BROKER/AGENT OF GENERATOR

NAME: REPUBLIC Environmental Systems Inc.

ADDRESS: 2869 SHAKESPEARE BLVD. HATFIELD PA 19340
city state zip

TELEPHONE: 610 220 8996 CONTACT SORCENISOR

TRANSPORTER OF WASTE

NAME: Republic Env. System

ADDRESS: 2337 North Penn Rd. HATFIELD PA
city state zip

DATE: 6-6-95 TRUCK # 12 LICENSE # TL 92732

DRIVER SIGNATURE: Ralph Bowser

DISPOSAL FACILITY

NAME: RESOURCE CONSERVATION CORP.

RECEIVED BY: _____ PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

Al Gajdelski
Operator's Signature

6/6/95
Date

877490404

STRAIGHT BILL OF LADING

REPUBLIC ENVIRONMENTAL SYSTEMS

2337 NORTH PENN ROAD
HATFIELD PA 19440

393892 1/1

DATE OF PICKUP _____ EPA IDENTIFICATION CODE NO. NJD001315282
GENERATOR NAPP CHEMICALS INC ADDRESS 199 MAIN STREET
CITY LODI STATE NJ ZIP 07644 PHONE 201 773-39
CONTACT: BOB LOEWENSTEIN BROKER: _____

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit Wt./Vol.	Waste
	No.	Type			
a. <u>NON DOT/RCRA HAZ DEBRIS NOT DOT REGULATED</u>	<u>001</u>	<u>DT</u>	<u>20</u>	<u>Y</u>	<u>N /</u>
b. _____	_____	_____	_____	_____	_____
c. _____	_____	_____	_____	_____	_____
d. _____	_____	_____	_____	_____	_____

Additional Information/Lab Code _____ Emergency Phone# _____
a. DS38449 c. _____
b. _____ d. _____

CONTRACT/PO NO. _____
NO. OF OVERPACKS USED _____
START TIME _____
IVAL AT CUSTOMER _____
EPARTED CUSTOMER _____
DELAY TIME _____
SPECIAL INSTRUCTIONS / REASONS FOR DELAY _____

GENERATOR CERTIFICATION:
"I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations. I also certify that all times listed above are true and correct."
Print Name Al Gazdalski Signature Al Gazdalski Date 6/6/95

TRACTOR # _____ TRAILER# _____ BOX SPOTTED# _____ BOX PICKED UP# _____ LINER _____

TRANSPORTER #1 _____ PHONE NUMBER 201 225-2660
COMPANY Republic Env. System EPA ID NO. _____
PRINT NAME Ralph Bowers SIGNATURE Ralph Bowers DATE 6-6-95

TRANSPORTER #2 _____ PHONE NUMBER _____
COMPANY _____ EPA ID NO. _____
PRINT NAME _____ SIGNATURE _____ DATE _____

TSDF ARRIVAL TIME _____ REASON FOR DELAY _____
TSDF DEPARTURE TIME _____
DELAY TIME _____
FINISH TIME _____

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. N/A
CONSIGNED TO RESOURCE CONSERVATION CORP. ADDRESS SHADE TOWNSHIP WASTE MGT. FAC.
CAIRNBROOK STATE PA ZIP 15924 PHONE 814 754 4587
IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL
PRINT NAME _____ SIGNATURE _____ DATE _____

White - GENERATOR FILE
Blue - TRANSPORTER FILE
Green - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)
Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE
Goldenrod - TSD FACILITY COPY

FORM #1
(Rev. 1/9)

877490405



**RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY**

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

WASTE GENERATOR

RCC- S 0 0 2 4

NAME: Map Technologies

ADDRESS: 199 Main Street Levi WI 77544
city state zip

LOCATION: same

TELEPHONE: (201) 773-3900 CONTACT Keith Ferraro

BROKER/AGENT OF GENERATOR

NAME: Republic Environmental

ADDRESS: 337 North Penn Road Hatfield, PA 19440
city state zip

TELEPHONE: (215) 822-2876 CONTACT Greg Brandlinger

TRANSPORTER OF WASTE

NAME: PAGE ETC

ADDRESS: Westport NY
city state zip

DATE: 6-6-95 TRUCK # 9416 LICENSE # AB60641 PF

DRIVER SIGNATURE: Robert Dyer

DISPOSAL FACILITY

NAME: RESOURCE CONSERVATION CORP.

RECEIVED BY: _____ PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

W. G. Gendalich
Operator's Signature

6/6/95
Date



RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

WASTE GENERATOR

RCC-50024

NAME: Napo Technologies

ADDRESS: 199 Main Street Logi NJ 07544
city state zip

LOCATION: same

TELEPHONE: (201) 773-3900 CONTACT Keith Ferrante

BROKER/AGENT OF GENERATOR

NAME: Republic Environmental

ADDRESS: 1007 North Penn Road Bedford, PA 15440
city state zip

TELEPHONE: (412) 422-2973 CONTACT Greg Brandinger

TRANSPORTER OF WASTE

NAME: Tully Construction

ADDRESS: 15712 Northview Hill Flushing, MI 48437
city state zip

DATE: 5-1-95 TRUCK # 28512 LICENSE # 22447 07

DRIVER SIGNATURE: K. J. J.

DISPOSAL FACILITY

NAME: RESOURCE CONSERVATION CORP.

RECEIVED BY: _____ PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

Operator's Signature [Signature]

Date 6/6/95



RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

WASTE GENERATOR

RCC- 50024

NAME: Waco Technologies

ADDRESS: 189 Main Street Leadi ND 57844
city state zip

LOCATION: same

TELEPHONE: (201) 773-3300 CONTACT Neilson Ferranec

BROKER/AGENT OF GENERATOR

NAME: Republic Environmental

ADDRESS: 1837 North Penn Road Hatfield PA 19340
city state zip

TELEPHONE: (215) 322-1575 CONTACT Greg Standinger

TRANSPORTER OF WASTE

NAME: PAGE ETC

ADDRESS: TRINITY RD NECKNOT ND
city state zip

DATE: 5-5-95 TRUCK # 1142 LICENSE # AB46036

DRIVER SIGNATURE: Norm B. [Signature]

DISPOSAL FACILITY

NAME: RESOURCE CONSERVATION CORP.

RECEIVED BY: _____ PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

[Signature]
Operator's Signature

6/6/95
Date



RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

WASTE GENERATOR

RCC- 50024

NAME: Napp Technologies

ADDRESS: 199 Main Street Lodi NJ 07644
city state zip

LOCATION: same

TELEPHONE: (201) 773-3900 CONTACT Keith Terraneo

BROKER/AGENT OF GENERATOR

NAME: Republic Environmental

ADDRESS: 2337 North Penn Road Hatfield, PA 19440
city state zip

TELEPHONE: (215) 822-2676 CONTACT Greg Brandlinger

TRANSPORTER OF WASTE

NAME: Page ETC.

ADDRESS: Weedsports New York 13166
city state zip

DATE: 6-6-95 TRUCK # 1140 LICENSE # AB46433 FE

DRIVER SIGNATURE: James Jemay

DISPOSAL FACILITY

NAME: RESOURCE CONSERVATION CORP.

RECEIVED BY: _____ PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

Al Gajdoski
Operator's Signature

6/6/95
Date



RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

WASTE GENERATOR

RCC- 50024

NAME: Napp Technologies

ADDRESS: 199 Main Street Lodi NJ 07644
city state zip

LOCATION: same

TELEPHONE: (201) 773-3900 CONTACT Keith Terraneo

BROKER/AGENT OF GENERATOR

NAME: Republic Environmental

ADDRESS: 2337 North Penn Road Hatfield, PA 19440
city state zip

TELEPHONE: (215) 822-2676 CONTACT Greg Brandlinger

TRANSPORTER OF WASTE

NAME: PACZ ETC

ADDRESS: WYOMING NY
city state zip

DATE: 6-6-95 TRUCK # 8681 LICENSE # AA 59931

DRIVER SIGNATURE: Edward C. Kemp

DISPOSAL FACILITY

NAME: RESOURCE CONSERVATION CORP.

RECEIVED BY: _____ PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

W. Gajdarski
Operator's Signature

6/6/95
Date

877490410



RESOURCE CONSERVATION CORP. AS38449
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

WASTE GENERATOR

RCC-50024

NAME: Napp Technologies

ADDRESS: 199 Main Street Lodi NJ 07644
city state zip

LOCATION: same

TELEPHONE: (201) 773-3900 CONTACT Keith Ferraneo

BROKER/AGENT OF GENERATOR

NAME: Republic Environmental

ADDRESS: 2837 North Penn Road Bedfield PA 15440
city state zip

TELEPHONE: (412) 422-1675 CONTACT Greg Branninger

TRANSPORTER OF WASTE

NAME: Dine ATC

ADDRESS: 10000 Route 100 Box 700 13106
city state zip

DATE: 6/6/95 TRUCK # 1037 LICENSE # 2-32871

DRIVER SIGNATURE: [Signature]

DISPOSAL FACILITY

NAME: RESOURCE CONSERVATION CORP.

RECEIVED BY: _____ PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

[Signature]
Operator's Signature

6/6/95
Date

877490411



**RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY**

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

1538449

WASTE GENERATOR

RCC-50024

NAME: Napp Technologies

ADDRESS: 199 Main Street Lodi NJ 07644
city state zip

LOCATION: same

TELEPHONE: (201) 773-3900 CONTACT Keith Terraneo

BROKER/AGENT OF GENERATOR

NAME: Republic Environmental

ADDRESS: 2337 North Penn Road Bedford PA 15440
city state zip

TELEPHONE: (215) 922-2575 CONTACT Greg Brandinger

TRANSPORTER OF WASTE

NAME: Ronald Jordan

ADDRESS: 2071 Box 122A Kidder ND 58553
city state zip

DATE: 6-6-95 TRUCK # 4052 LICENSE # 16173766

DRIVER SIGNATURE: [Signature]

DISPOSAL FACILITY

NAME: RESOURCE CONSERVATION CORP.

RECEIVED BY: _____ PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

[Signature]
Operator's Signature

6/6/95
Date

**GAROFALO RECYCLING &
TRANSFER STATION CO., INC.**

19-35 ATLANTIC STREET
GARFIELD, N.J. 07026

Nº 0619

To NAPP
1920 XA 8172

DATE 6-7-95

	YARDS	DESCRIPTION	PRICE
		Compaction	
		Open Container	
		Drums	
		Wood	
		Other	79980

Truck # _____

Signature _____

877490413

**GAROFALO RECYCLING &
TRANSFER STATION CO., INC.**

19-35 ATLANTIC STREET
GARFIELD, N.J. 07026

Nº 0620

To NAPD
PID 9188 \$ 400.

DATE 6-2-95

	YARDS	DESCRIPTION	PRICE
		Compaction	
		Open Container	
		Drums	
		Wood	
		Other	76220

Truck # _____

Signature _____

877490415



BILL OF SALE

BUYER'S NAME NAPP CHEMICAL		DATE 6/7/95	CONTRACT # N-6795-1
LOCATION LODI, NJ			
CONTACT PERSON		PHONE NUMBER ()	

SITE INFORMATION

CUSTOMER SITE ENSA	CONTACT PERSON Rick
LOCATION	PHONE NUMBER ()

CYL #	GAS ID	UN #	CYL. SIZE	CATEGORY	COMMENTS	SALE P
1	H2S	1053	1ge	3	Recovery unit Rrg.	\$1.0
2	N2	1066	1ge	6		
3	N2	1066	1ge	6		
4	N2	1066	1ge	6		
5	N2	1066	1ge	6		
6	Propane	1978	1ge	5		
7	Propane	1978	1ge	5		
8	Propane	1978	med	5		
9	Propane	1978	med	5		
10	Propane	1978	sm	5		
11	Propane	1978	sm	5		
12	Propane	1978	sm	5		
13	R-22	1018	med	7		
14	OL	1972	med	6		
15	R-502	1956	med	8		
16	Air	1002	med	6		
17	Air	1002	med	6		

GAS CATEGORIES: "1" - SUPER CRITICAL "2" - REACTIVE &/OR POISON "3" - FLAMMABLE &/OR INERT 6

SIGNATURE OF MG INDUSTRIES AUTHORIZED REPRESENTATIVE

SIGNATURE OF SELLER'S AUTHORIZED REPRESENTATIVE

SELLER THROUGH ITS AUTHORIZED REPRESENTATIVE, HEREBY COVENANTS WITH MG INDUSTRIES THAT SELLER IS THE LAWFUL OWNER OF THE LISTED CYLINDERS AND THEIR CONTENTS WHOSE RIGHT, TITLE AND INTEREST IS HEREBY CONVEYED; THAT THE SAME ARE FREE FROM ENCUMBRANCES; THAT SELLER HAS GOOD RIGHT TO SELL THE SAME; AND THAT SELLER WILL WARRANT AND DEFEND THE SAME AGAINST THE LAWFUL CLAIMS OF ALL PERSONS. SELLER HEREBY DISCLAIMS ALL WARRANTIES WITH RESPECT TO THE CYLINDERS CONVEYED HEREBY, EXPRESS OR IMPLIED.

877490416



BILL OF SALE

LEERS NAME

NAME NAPP Chemical

DATE _____

6/7/95

CONTRACT #

N-6785-1

DECLARATION

Loop NJ

INTACT PERSON

PHONE NUMBER

()

SITE INFORMATION

16TOMER SITE Contractor

$$\Sigma \sim 5 A$$

CONTACT PERSON

Rock

ICATION

PHONE NUMBER

()

[illegible]

CATEGORIES: "1" - SUPER CRITICAL "2" - REACTIVE &/OR POISON "3" - FLAMMABLE &/OR INERT

Shel W.

 SIGNATURE OF MG INDUSTRIES AUTHORIZED REPRESENTATIVE

Al Gyzdelski
SIGNATURE OF SELLERS AUTHORIZED REPRESENTATIVE

SELLER THROUGH ITS AUTHORIZED REPRESENTATIVE, HEREBY COVENANTS WITH MG INDUSTRIES THAT SELLER IS THE LAWFUL OWNER OF THE LISTED CYLINDERS AND THEIR CONTENTS WHOSE RIGHT, TITLE AND INTEREST IS HEREBY CONVEYED; THAT THE SAME ARE FREE FROM ENCUMBRANCES; THAT SELLER HAS GOOD RIGHT TO SELL THE SAME; AND THAT SELLER WILL WARRANT AND DEFEND THE SAME AGAINST THE LAWFUL CLAIMS OF ALL PERSONS. SELLER HEREBY DISCLAIMS ALL WARRANTIES WITH RESPECT TO THE CYLINDERS CONVEYED HEREBY, EXPRESS OR IMPLIED.

**IN THE EVENT OF A FIRE, SPILL, OR RELEASE, CONTACT THE FOLLOWING NUMBER
1-800-641-HELP**

UCK NO.	TRAILER NO.	LOCATION NAME	DRIVER	DATE
1294	8993	FAIRLESS HILLS, PA	EDWARD COHEN	6/

H/M	Product Shipping Name	HMID* Class	HMID UN	Special Provisions	QTY	Size/ Unit
RR	H2 Hydrogen Sulfide Liquid	2.3	1053	Poison Inhalation hazard ZnCB	1	✓
X	Nitrogen, compressed	2.2	1066		2	
X	Air, compressed	2.2	1062		3	
X	dichlorodifluoromethane (R-12)	2.2	1025		1	
X	chlorodifluoromethane (R-22)	2.2	1018		1	
X	compressed GAS N.O.S. (R-23, R-115)	2.2	1950		1	
	Fire extinguishers	—	—	empty	8	
	steel cylinders	—	—	empty	10	
					27	



RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

WASTE GENERATOR

RCC-50024

NAME: Naso Technologies
ADDRESS: 199 Main Street 0821 NJ 07044
city state zip
LOCATION: same
TELEPHONE: (201) 773-3900 CONTACT Keith Ferraneo

BROKER/AGENT OF GENERATOR

NAME: Republic Environmental
ADDRESS: 2837 North Penn Road Hatfield, PA 19440
city state zip
TELEPHONE: (215) 322-2675 CONTACT Greg Brandler

TRANSPORTER OF WASTE

NAME: Page ETC
ADDRESS: Trombley Rd, Po. Box 1190 Woodstock N.Y. 13166
city state zip
DATE: 6/2/95 TRUCK # 1920 LICENSE # TL, XA 81724
DRIVER SIGNATURE: [Signature]

DISPOSAL FACILITY

NAME: RESOURCE CONSERVATION CORP.

RECEIVED BY: _____ PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

[Signature]
Operator's Signature

6/7/95
Date



NS38449

**RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY**

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

WASTE GENERATOR

RCC- 50024

NAME: Map Technologies

ADDRESS: 109 Main Street Lodi NJ 07644
city state zip

LOCATION: same

TELEPHONE: (901) 773-8900 CONTACT Keith Ferranec

BROKER/AGENT OF GENERATOR

NAME: Republic Environmental

ADDRESS: 1337 North Penn Road Hatfield PA 19440
city state zip

TELEPHONE: (215) 622-2670 CONTACT Greg Brandlinger

TRANSPORTER OF WASTE

NAME: TULLY CONST. INC.

ADDRESS: 127-50th Northern Blvd. FLUSHING NY
city state zip

DATE: 6/7/95 TRUCK # DAS9 LICENSE # PD9188 NY

DRIVER SIGNATURE: Robert Slater

DISPOSAL FACILITY

NAME: RESOURCE CONSERVATION CORP.

RECEIVED BY: _____ PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

W. Gajdarski
Operator's Signature

6/7/95
Date

877490419



1538449

RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

WASTE GENERATOR

RCC-50024

NAME: Napp Technologies
ADDRESS: 199 Main Street Lodi NJ 07644
city state zip
LOCATION: same
TELEPHONE: (201) 773-3900 CONTACT Keith Ferranec

BROKER/AGENT OF GENERATOR

NAME: Republic Environmental
ADDRESS: 2337 Worth Penn Road Hatfield PA 19440
city state zip
TELEPHONE: (215) 522-3570 CONTACT Greg Brundinger

TRANSPORTER OF WASTE

NAME: Page CTR
ADDRESS: Woodport NJ
city state zip
DATE: 6-7-95 TRUCK # 2071 LICENSE # 9.5 40015
DRIVER SIGNATURE: [Signature]

DISPOSAL FACILITY

NAME: RESOURCE CONSERVATION CORP.

RECEIVED BY: _____ PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

X [Signature]
Operator's Signature

6/7/95
Date

877490420



RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

WS 38449

WASTE GENERATOR

RCC- 50024

NAME: Napp Technologies

ADDRESS: 199 Main Street Lodi NJ 07844
city state zip

LOCATION: same

TELEPHONE: (201) 773-3900 CONTACT Keith Ferraneo

BROKER/AGENT OF GENERATOR

NAME: Republic Environmental

ADDRESS: 2337 North Penn Road Hatfield PA 19440
city state zip

TELEPHONE: (610) 642-2676 CONTACT Greg Brenalinger

TRANSPORTER OF WASTE

NAME: PAGE ETC

ADDRESS: Box 1290 Woodport NY 13166
city state zip

DATE: 6-7-95 TRUCK # 2040 LICENSE # PR2918 NY

DRIVER SIGNATURE: [Signature]

DISPOSAL FACILITY

NAME: RESOURCE CONSERVATION CORP.

RECEIVED BY: _____ PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

[Signature]
Operator's Signature

6/7/95
Date



RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

WS38449

WASTE GENERATOR

RCC- 50024

NAME: Napp Technologies

ADDRESS: 199 Main Street Lodi NJ 07644
city state zip

LOCATION: same

TELEPHONE: (201) 773-3900 CONTACT Keith Ferraro

BROKER/AGENT OF GENERATOR

NAME: Republic Environmental

ADDRESS: 2337 North Penn Road Matfield, PA 15440
city state zip

TELEPHONE: (215) 622-2575 CONTACT Grae Brandlinder

TRANSPORTER OF WASTE

NAME: William Dinehart / Page ETC

ADDRESS: Trombley Rd Woodport, N.Y. 3166
city state zip

DATE: 7 June TRUCK # 5936 LICENSE # PR 7706 N.Y.

DRIVER SIGNATURE: William Dinehart

DISPOSAL FACILITY

NAME: RESOURCE CONSERVATION CORP.

RECEIVED BY: _____ PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

W. Gajdalski
Operator's Signature

6/7/95
Date



**RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY**

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

683844

WASTE GENERATOR

RCC- 80024

NAME: Waco Technologies

ADDRESS: 199 Main Street Lodi NJ 07644
city state zip

LOCATION: same

TELEPHONE: (201) 773-3900 CONTACT Keith Terraneo

BROKER/AGENT OF GENERATOR

NAME: Republic Environmental

ADDRESS: 2637 North Penn Road Hacienda PA 19440
city state zip

TELEPHONE: (215) 622-2675 CONTACT Breg Brendlinger

TRANSPORTER OF WASTE

NAME: PAGE E.T.C.

ADDRESS: WEDDSPORT N.Y. 13166
city state zip

DATE: 6-7-95 TRUCK # 0662 LICENSE # AB-46835-PA

DRIVER SIGNATURE: G. Luther Waco

DISPOSAL FACILITY

NAME: RESOURCE CONSERVATION CORP.

RECEIVED BY: _____ PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

W. Gaydardzhiev
Operator's Signature

6/7/95
Date



RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

WS38449

WASTE GENERATOR

RCC- 00009

NAME: NAPP CHEMICALS

ADDRESS: 199 MAIN STREET LODI NJ 07644
city state zip

LOCATION: SAME

TELEPHONE: (201)773-3900 CONTACT BOB LOWENSTEIN

BROKER/AGENT OF GENERATOR

NAME: Republic Environmental

ADDRESS: 2337 North Penn Road Hatfield Pa 19440
city state zip

TELEPHONE: 800-220-5757 CONTACT Robin

TRANSPORTER OF WASTE

NAME: Republic Environmental

ADDRESS: 2337 North Penn Road Hatfield Pa 19440
city state zip

DATE: 6-8-95 TRUCK # 69 LICENSE # A336309

DRIVER SIGNATURE: Islando Bent Carr

DISPOSAL FACILITY

NAME: RESOURCE CONSERVATION CORP.

RECEIVED BY: _____ PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

W. Gajdalski
Operator's Signature

6/8/95
Date

STRAIGHT BILL OF LADING
REPUBLIC ENVIRONMENTAL SYSTEMS

2337 NORTH PENN ROAD
HATFIELD PA 19440

Number **393893 1/1**

DATE OF PICKUP _____ EPA IDENTIFICATION CODE NO. **NJD001315282**
GENERATOR **NAPP CHEMICALS INC** ADDRESS **199 MAIN STREET**
CITY **LOOT** STATE **NJ** ZIP **07644** PHONE **201 773-39**
CONTACT: **BOB LOEWENSTEIN** BROKER: _____

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit Wt./Vol.	Waste
	No.	Type			
a. NON DOT/RCRA HAZ DEBRIS NOT DOT REGULATED		D T		Y	N / I
b.					
c.					
d.					

Additional Information/Lab Code

Emergency Phone#

a **DS38449**

CONTRACT/PO NO. _____
NO. OF OVERPACKS USED _____
START TIME _____
IVAL AT CUSTOMER _____
ARTED CUSTOMER _____
DELAY TIME _____

SPECIAL INSTRUCTIONS / REASONS FOR DELAY _____

GENERATOR CERTIFICATION:

"I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations." also certify that all times listed above are true and correct.

Print Name **Al Gazdalski** Signature **Al Gazdalski** Date **6/8/95**

TRACTOR # **69** TRAILER# **2080** BOX SPOTTED# _____ BOX PICKED UP# _____ LINER _____

TRANSPORTER #1 PHONE NUMBER **201 225-2660**

COMPANY **Republic Environmental** EPA ID NO. _____

PRINT NAME **Orlando Brent Carr** SIGNATURE **Orlando Brent Carr** DATE **6-8-95**

TRANSPORTER #2 PHONE NUMBER _____

COMPANY _____ EPA ID NO. _____

PRINT NAME _____ SIGNATURE _____ DATE _____

TSDF ARRIVAL TIME _____	REASON FOR DELAY _____
TSDF DEPARTURE TIME _____	_____
DELAY TIME _____	_____
FINISH TIME _____	_____

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. **N/A**

CONSIGNED TO **RESOURCE CONSERVATION CORP.** ADDRESS **SHADE TOWNSHIP WASTE MGT. FAC.**

CAIRNBROOK STATE **PA** ZIP **15924** PHONE **814 754 4587**

TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

PRINT NAME _____ SIGNATURE _____ DATE _____

White - GENERATOR FILE
Blue - TRANSPORTER FILE
Green - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)
Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE
Goldenrod - TSD FACILITY COPY

FORM #11
(Rev. 1/95)

877490425



**RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY**

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

211
6538449

WASTE GENERATOR

RCC- 00009

NAME: NAPF CHEMICALS

ADDRESS: 199 MAIN STREET LODI NJ 07644
city state zip

LOCATION: SAME

TELEPHONE: (201) 773-3900 CONTACT BOB LOWENSTEIN

BROKER/AGENT OF GENERATOR

NAME: Republic Env System

ADDRESS: 2337 North Penn Rd Hatfield PA 19440
city state zip

TELEPHONE: 800-220-5787 CONTACT Robin

TRANSPORTER OF WASTE

NAME: Republic Env. System

ADDRESS: 2337 North Penn Rd Hatfield PA 19440
city state zip

DATE: 6-8-95 TRUCK # 12 LICENSE # TY02291

DRIVER SIGNATURE: Rafel Barea

DISPOSAL FACILITY

NAME: RESOURCE CONSERVATION CORP.

RECEIVED BY: _____ PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

Operator's Signature [Signature]

Date 6/8/95

877490426

STRAIGHT BILL OF LADING

REPUBLIC ENVIRONMENTAL SYSTEMS

2337 NORTH PENN ROAD
HATFIELD PA 19440

Number 393894 1/1

OF PICKUP NAPP CHEMICALS INC EPA IDENTIFICATION CODE NO. NJD001315282
 :RATOR LODY ADDRESS 199 MAIN STREET
 CITY LODY STATE NJ ZIP 07644 PHONE 201 773-39
 CONTACT: BOB LOEWENSTEIN BROKER:

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit Wt./Vol.	Waste
	No.	Type			
a. NON DOT/RCRA HAZ DEBRIS NOT DOT REGULATED	<u>001</u>	<u>DT</u>	<u>20</u>	<u>Y</u>	<u>N /</u>
b.					
c.					
d.					

Additional Information/Lab Code

Emergency Phone#

a DS38449

b

CONTRACT/PO NO. _____

NO. OF OVERPACKS USED _____

START TIME _____

IVAL AT CUSTOMER _____

ARTED CUSTOMER _____

DELAY TIME _____

SPECIAL INSTRUCTIONS / REASONS FOR DELAY _____

GENERATOR CERTIFICATION:

"I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations. I also certify that all times listed above are true and correct.

Print Name Al GAZDARSKI

Signature Al GAZDARSKI

Date 6/8/95

TRACTOR #

TRAILER#

BOX SPOTTED#

BOX PICKED UP#

LINER

TRANSPORTER #1

COMPANY

Republic Env. System

PHONE NUMBER 201 225-2660

PRINT NAME

Ralph Bowers

SIGNATURE

Ralph Bowers

DATE 6-8-95

TRANSPORTER #2

COMPANY

PHONE NUMBER

EPA ID NO.

PRINT NAME

SIGNATURE

DATE

TSDF ARRIVAL TIME

REASON FOR DELAY

TSDF DEPARTURE TIME

DELAY TIME

FINISH TIME

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. N/A

CONSIGNEE TO RESOURCE CONSERVATION CORP.

ADDRESS SHADE TOWNSHIP WASTE MGT. FAC.

CAIRNBROOK

STATE PA

ZIP 15924

PHONE 814 754-4587

IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

PRINT NAME

SIGNATURE

DATE

White - GENERATOR FILE

Blue - TRANSPORTER FILE

Green - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)

Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE

Goldenrod - TSD FACILITY COPY

FORM #1
(Rev. 1/9)

877490427



**RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY**

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

LS38449

WASTE GENERATOR

RCC- 00009

NAME: NAPP CHEMICALS

ADDRESS: 199 MAIN STREET LODI NJ 07644
city state zip

LOCATION: SAME

TELEPHONE: (201) 773-3900 CONTACT BOB LOWENSTEIN

BROKER/AGENT OF GENERATOR

NAME: REPUBLIC ENVIRONMENTAL SVCS GROUP INC.

ADDRESS: N. PENNPOLE HATFIELD PA.
city state zip

TELEPHONE: _____ CONTACT _____

TRANSPORTER OF WASTE

NAME: REPUBLIC ENVIRONMENTAL SVCS GROUP INC.

ADDRESS: N. PENNPOLE HATFIELD PA.
city state zip

DATE: 6-8-95 TRUCK # 346-3020 LICENSE # XA 72348 PA.

DRIVER SIGNATURE: Donald Henderson

DISPOSAL FACILITY

NAME: RESOURCE CONSERVATION CORP.

RECEIVED BY: _____ PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

Operator's Signature: [Signature]

Date: 6/8/95

877490429

STRAIGHT

BILL OF LADING

REPUBLIC ENVIRONMENTAL SYSTEMS

 2337 NORTH PENN ROAD
 HATFIELD PA 19440

per 393895 1/1

 OF PICKUP EPA IDENTIFICATION CODE NO. **NJD001315282**
 GENERATOR **NAPP CHEMICALS INC** ADDRESS **199 MAIN STREET**
 CITY **LODI** STATE **NJ** ZIP **07644** PHONE **201 773-39**
 CONTACT: **BOB LOEWENSTEIN** BROKER:

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit Wt./Vol.	Waste
	No.	Type			
a. NON DOT/RCRA HAZ DEBRIS NOT DOT REGULATED		D T		Y	N / 1
b.					
c.					
d.					

Additional Information/Lab Code

Emergency Phone#

a **DS38449**

b

CONTRACT/PO NO.

NO. OF OVERPACKS USED

T TIME

VAL AT CUSTOMER

DEPARTED CUSTOMER

DELAY TIME

SPECIAL INSTRUCTIONS / REASONS FOR DELAY

GENERATOR CERTIFICATION:

"I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations." also certify that all times listed above are true and correct.

Print Name **Al GAZDARSKI**

Signature

Date

6/8/95TRACTOR # **346**TRAILER # **2020**

BOX SPOTTED#

BOX PICKED UP#

LINER

TRANSPORTER #1

COMPANY

PHONE NUMBER **201 225-2660**

PRINT NAME

SIGNATURE

DATE

6-8-95

TRANSPORTER #2

COMPANY

PHONE NUMBER

EPA ID NO.

PRINT NAME

SIGNATURE

DATE

TSDf ARRIVAL TIME

TSDf DEPARTURE TIME

DELAY TIME

FINISH TIME

REASON FOR DELAY

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. **N/A**SIGNED TO **RESOURCE CONSERVATION CORP.**

ADDRESS

SHADE TOWNSHIP WASTE MGT. FAC.**CAIRNBROOK**STATE **PA**ZIP **15924**PHONE **814 754 4587**

THIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

PRINT NAME

SIGNATURE

DATE

White - GENERATOR FILE

Blue - TRANSPORTER FILE

Green - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)

Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE

Goldenrod - TSD FACILITY COPY

FORM #11

/Rev. 1/95



RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

SPECIAL HANDLING MUNICIPAL WASTE

WASTE GENERATOR

RCC- 50024

NAME: NAPP CHEMICALS INC.

ADDRESS: 199 MAIN STREET LODI NJ 07644
city state zip

LOCATION: SAME

TELEPHONE: (201)773-3900 CONTACT BOB LOWENSTEIN

BROKER/AGENT OF GENERATOR

NAME: REPUBLIC ENV SYS (PA), INC.

ADDRESS: 2869 SANDSTONE DRIVE HATFIELD PA 19440
city state zip

TELEPHONE: (215)822-2676 CONTACT BOSS SMOCK

TRANSPORTER OF WASTE

NAME: REPUBLIC ENV SYS (TRANS GROUP), INC.

ADDRESS: 21 CHURCH ROAD HATFIELD PA 19440
city state zip

DATE: 6/19/95 TRUCK # 42-3010 LICENSE # AA 92534

DRIVER SIGNATURE: Mike Bro

DISPOSAL FACILITY

NAME: RESOURCE CONSERVATION CORP.

RECEIVED BY: _____ PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

Al Gandolfini
Operator's Signature

6/19/95
Date

STRAIGHT BILL OF LADING

REPUBLIC ENVIRONMENTAL SYSTEMS

2337 NORTH PENN ROAD
HATFIELD PA 19440

94272 1/1

OF PICKUP 6/19/95 EPA IDENTIFICATION CODE NO. NJD001315282
 ATOR NAPP CHEMICALS INC ADDRESS 199 MAIN STREET
 CITY LODI STATE NJ ZIP 07644 PHONE 201 773-3900
 CONTACT: BOB LOEWENSTEIN BROKER:

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit Wt./Vol.	Waste No
	No.	Type			
a. NON DOT/RCRA HAZ DEBRIS NOT DOT REGULATED	xx	DTV	x30	Y	N/A
b.					
c.					
d.					

Additional Information/Lab Code DS38449 Emergency Phone#
 a DS38449 c
 b d

CONTRACT/PO NO. _____
 NO. OF OVERPACKS USED _____
 START TIME 5:30 A
 VAL AT CUSTOMER 8:00 AM
 L RTED CUSTOMER 9:15 A
 DELAY TIME _____

SPECIAL INSTRUCTIONS / REASONS FOR DELAY
weigh & RESTC LINE
LODI paperwork to SRA/IE

GENERATOR CERTIFICATION:
 "I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations."
 also certify that all lines listed above are true and correct.
 Print Name Al GARDALSK Signature Al Gardalski Date 6/19/95

TRACTOR # 42 TRAILER# 2010 BOX SPOTTED# X BOX PICKED UP# X LINER 1

TRANSPORTER #1
 COMPANY REPUBLIC ENV. SYS. (PA) PHONE NUMBER 215 822-8995
 EPA ID NO. PAD085690592
 PRINT NAME Mike Brown SIGNATURE Mike Brown DATE 6/19/95

TRANSPORTER #2
 COMPANY REPUBLIC ENV SYS (TRANS GROUP) PHONE NUMBER 215 822-2676
 EPA ID NO. PAD982661381
 PRINT NAME _____ SIGNATURE _____ DATE _____

TSDF ARRIVAL TIME _____	REASON FOR DELAY _____
TSDF DEPARTURE TIME _____	_____
DELAY TIME _____	_____
FINISH TIME _____	_____

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. N/A
 CONSIGNED TO RESOURCE CONSERVATION CORP. ADDRESS SHADE TOWNSHIP WASTE MGT. FAC.
CAIRNBROOK STATE PA ZIP 15924 PHONE 814 754-4587
 IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL
 PRINT NAME _____ SIGNATURE _____ DATE _____

White - GENERATOR FILE
 Blue - TRANSPORTER FILE
 Green - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)
 Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE
 Goldenrod - TSD FACILITY COPY

877490431

FORM #10
 (Rev. 1/95)

Residential Express Whse. & Dist. Inc.

h) acknowledgement that a bill of lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Carrier's No. _____

(NAME OF CARRIER) _____ SCAC _____ Date _____

nation <u>Maldives</u> Zip <u></u>	Origin <u>Maldives</u> Zip <u></u>
------------------------------------	------------------------------------

Vehicle Number	U.S DOT Hazmat Reg. No.
----------------	-------------------------

[illegible]

COD Amt: \$

C.O.D. FEE:

Prepaid ☐
Collect ☐ \$

FREIGHT CHARGE
PREPAID COLLEC

Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding:

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse of the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

10. I/WE, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above, in apparent good order, except as noted (contents and condition of contents changes unknown), marked, consigned, and destined as indicated above, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under a contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on its route at said destination. It is mutually agreed, as to each carrier, that any and all property or all or any portion of said route to destination in each and every case, whether or not the property is to be performed hereafter, shall be subject to all the terms and conditions of the Uniform Freight Classification of the Interstate Commerce Commission in effect on the date of issue of this Bill of Lading set forth in (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification in effect on the date of issue of this Bill of Lading, if this is a motor carrier shipment.

11. I/WE hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and that all terms and conditions are hereby agreed to by the shipper and accepted for himself and his agents.

It is to be clearly stated that the above-named materials are properly classified, described, packaged, marked and labeled and meet conditions for transportation according to the applicable regulations of the Department of Transportation.

**PLACARDS
REQUIRED**PLACARDS
SUPPLIED

☐ YES ☐ NO - FURNISHED BY CARRIER
DRIVERS SIGNATURE:

SPECIAL INSTRUCTIONS:

Where the applicable tariff provisions specify a limitation of the carrier's liability (NMFC item 172). If there is no release or declaration by the shipper, and the shipper does not declare a value or release the carrier's liability, that liability shall be in to the extent provided by NMFC item 172. California intrastate shipments must comply with NMFC item 173.

...PER:

CARRIER:

ER:

PER: _____

DATE: _____

DATE: _____

EMERGENCY RESPONSE
TELEPHONE NUMBER: ()

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

877490433

Shipper's No. _____

Carrier's No. _____

(NAME OF CARRIER)

SCAC _____ Date _____

TO: Consignee	FROM: Shipper
------------------	------------------

Street	Street
--------	--------

Destination	Zip	Origin	Zip
11.00			

Route:	Vehicle Number	U.S DOT Hazmat Re
--------	----------------	-------------------

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	PACKING GROUP	WEIGHT (Subject to correction)	RATE	LABELS REQUIRED (for example)
--------------------	----	--	--------------	-------------	---------------	-----------------------------------	------	----------------------------------

Received ALB
P. 1000
10/10/15

Remit C.O.D. to:
 Address: _____
 City: _____ State: _____ Zip: _____

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding.

\$ _____ Per _____

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above, in apparent good order, except as noted (contents and condition of car packages unknown), marked, consigned, and destined as indicated above, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the proper contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the applicable Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

PLACARDS
REQUIRED

PLACARDS
SUPPLIED

☐ YES ☐ NO - FURNISHED BY CARRIER

DRIVER'S SIGNATURE _____

SPECIAL INSTRUCTIONS:

Where the applicable tariff provisions specify a limitation of the carrier's liability (NMFC Item 172). If there is no release declaration by the shipper, and the shipper does not declare a value or release the carrier's liability, full liability shall to the extent provided by NMFC Item 172. California interstate shipments must comply with NMFC Item 173.

SHIP:	CARRIER:
PL:	PER:
DATE:	DATE:

AGENCY RESPONSE
PHONE NUMBER: ()

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.804).

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

877490434

27

2504

**RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY**

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

SPECIAL HANDLING MUNICIPAL WASTE

(2)

WASTE GENERATORRCC- 50024NAME: NAPP CHEMICALS INC.ADDRESS: 199 MAIN STREET LODI NJ 07644
city state zipLOCATION: SAMETELEPHONE: (201) 773-3900 CONTACT BOB LOWENSTEIN**BROKER/AGENT OF GENERATOR**NAME: REPUBLIC ENV SYS (PA), INC.ADDRESS: 2669 SANDSTONE DRIVE HATFIELD PA 19440
city state zipTELEPHONE: (215) 822-2676 CONTACT ROSS SNOOK**TRANSPORTER OF WASTE**NAME: REPUBLIC ENV SYS (TRANS GROUP), INC.ADDRESS: 21 CHURCH ROAD HATFIELD PA 19440
city state zipDATE: 6/12/95 TRUCK # 46 LICENSE # AB4234

DRIVER SIGNATURE:

DISPOSAL FACILITYNAME: RESOURCE CONSERVATION CORP.RECEIVED BY: _____ PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

Operator's Signature

6/12/95
Date

STRAIGHT BILL OF LADING

REPUBLIC ENVIRONMENTAL SYSTEMS

Cris Jones
2

2337 NORTH PENN ROAD
 HATFIELD PA 19440

394097 1/1

OF PICKUP 6/12/95 EPA IDENTIFICATION CODE NO. NJD001315282
 GENERATOR NAPP CHEMICALS INC ADDRESS 199 MAIN STREET
 CITY LOOI STATE NJ ZIP 07644 PHONE 201 773-3900
 CONTACT: BOB LOEWENSTEIN BROKER:

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit WL/Vol.	Waste
	No.	Type			
a. NON DOT/RCRA HAZ DEBRIS NOT DOT REGULATED	1	DT	15	Y	N/A
b.					
c.					
d.					

Additional Information/Lab Code

Emergency Phone#

a DS38449

b

c

d

CONTRACT/PO NO.

NO. OF OVERPACKS USED

VRT TIME

VAL AT CUSTOMER

DEPARTED CUSTOMER

DELAY TIME

SPECIAL INSTRUCTIONS / REASONS FOR DELAY

* PENDING GYW CHECK.

GENERATOR CERTIFICATION:

"I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations. I also certify that all times listed above are true and correct.

Print Name

AL GAZDARSKI

Signature

Al Gazdarski

Date

6/12/95

TRACTOR #

4CP

TRAILER#

2500

BOX SPOTTED#

BOX PICKED UP#

LINER

1

TRANSPORTER #1

COMPANY

REPUBLIC ENV. SYS. (PA)

PHONE NUMBER

215 822-8995

EPA ID NO.

PAD085690592

PRINT NAME

C.D. JONES

SIGNATURE

C.D. Jones

DATE

6/12/95

TRANSPORTER #2

COMPANY

REPUBLIC ENV SYS (TRANS GROUP)

PHONE NUMBER

215 822-2676

EPA ID NO.

PAD982661381

PRINT NAME

SIGNATURE

DATE

TSDF ARRIVAL TIME

TSDF DEPARTURE TIME

DELAY TIME

FINISH TIME

REASON FOR DELAY

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. N/A

DESIGNED TO RESOURCE CONSERVATION CORP.

ADDRESS

SHADE TOWNSHIP WASTE MGT. FAC.

CAIRNBROOK

STATE PA

ZIP 15924

PHONE 814 754-4587

THIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

PRINT NAME

SIGNATURE

DATE

White - GENERATOR FILE
 Blue - TRANSPORTER FILE
 Green - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)
 Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE
 Goldenrod - TSD FACILITY COPY

FORM #
 (Rev. 1/5)

877490435

877490436

26

2505

**RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY**

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

SPECIAL HANDLING MUNICIPAL WASTE**WASTE GENERATOR**RCC- 50024NAME: NAPP CHEMICALS INC.ADDRESS: 199 MAIN STREET LODI NJ 07644
city state zipLOCATION: SAMETELEPHONE: (201)773-3900 CONTACT BOB LOWENSTEIN**BROKER/AGENT OF GENERATOR**NAME: REPUBLIC ENV SYS (PA), INC.ADDRESS: 2869 SANDSTONE DRIVE HATFIELD PA 19440
city state zipTELEPHONE: (215)822-2676 CONTACT RCSS SNOCK**TRANSPORTER OF WASTE**NAME: REPUBLIC ENV SYS (TRANS GROUP), INC.ADDRESS: 21 CHURCH ROAD HATFIELD PA 19440
city state zipDATE: 6-12-95 TRUCK # 51 LICENSE # TZ 61212DRIVER SIGNATURE: Don Mark**DISPOSAL FACILITY**NAME: RESOURCE CONSERVATION CORP.RECEIVED BY: _____ PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

Operator's Signature Al GajdarskiDate 6/12/95

STRAIGHT BILL OF LADING
REPUBLIC ENVIRONMENTAL SYSTEMS

2337 NORTH PENN ROAD
HATFIELD PA 19440

1295
CHEMICALS INC

EPA IDENTIFICATION CODE NO. **NJD001315282**

ADDRESS **199 MAIN STREET**

STATE **NJ**

ZIP **07644**

PHONE **201 773-3900**

JOE LOEWENSTEIN

BROKER:

DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

a. **NON DOT/RCRA HAZ DEBRIS NOT DOT REGULATED**

Containers

No.

Type

Total
Quantity

Unit
WL/Vol.

Waste N

XXI

D T

XXX15

Y

N / A

Additional Information/Lab Code

a **DS38449**

Emergency Phone#

CONTRACT/PO NO.

NO. OF OVERPACKS USED

IT TIME

VAL AT CUSTOMER

DEPARTED CUSTOMER

DELAY TIME

SPECIAL INSTRUCTIONS / REASONS FOR DELAY

2505
RCC 50024

LOAD BUCKET WITH GRAPPLE HOOK, TRANS
TO TRAILER 6 BUCKETS, TRAILER 90 TO SCRAP

GENERATOR CERTIFICATION:

"I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations."

also certify that all times listed above are true and correct.

Print Name **AJ GAZDARSKI**

Signature

AJ Gazdarski

Date

6-12-95

TRACTOR #

51

TRAILER#

2550

BOX SPOTTED#

BOX PICKED UP#

LINER

YES

TRANSPORTER #1

COMPANY

REPUBLIC ENV. SYS. (PA)

PHONE NUMBER **215 822-8995**

PRINT NAME

Dean moyer

SIGNATURE

Dean moyer

DATE

6-12-95

TRANSPORTER #2

COMPANY

REPUBLIC ENV SYS (TRANS GROUP)

PHONE NUMBER **215 822-2676**

EPA ID NO. **PAD085690592**

PRINT NAME

SIGNATURE

DATE

TSDF ARRIVAL TIME

TSDF DEPARTURE TIME

DELAY TIME

FINISH TIME

REASON FOR DELAY

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. **N/A**

SIGNED TO **RESOURCE CONSERVATION CORP.**

ADDRESS **SHADE TOWNSHIP WASTE MGT. FAC.**

CAIRNBROOK

STATE **PA**

ZIP **15924**

PHONE **814 754 4587**

I. AS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

PRINT NAME

SIGNATURE

DATE

☐ Varick Ave.

Star Recycling, Inc. - Hauler Ticket

No. 309831

Date 6/20/65 Manifest #

Hauler Star

Broker Wapp Tech Ind

Amount Hauled 40 yds

Dump Site Waprener

Truck # 245

Trailer # 018

☐ Van

☐ Flatbed

Time Arrived 12:45

Time Departed 2:10

Signature of Supervisor [Signature]

Loaded Weight

Signature of Driver [Signature]

Empty Weight

Net Weight



FREEHOLD CARTAGE, INC.

P.O. BOX 5010
FREEHOLD, NJ 07728-5010
PHONE: (908) 462-1001
FAX: (908) 308 0924

175 BARTOW MUN. AIRPORT
BARTOW, FL 33830
PHONE: (813) 533-4599
FAX: (813) 533-1613

108 MONAHAN AVENUE
DUNMORE, PA 18512
PHONE: (717) 342-7232
FAX: (717) 342-7367

350 PIGEON POINT RD.
NEW CASTLE, DE 19720
PHONE: (302) 658-2005
FAX: (302) 658-6229

MANIFI

FCI EPA II
NJD0541

G 8342

GENERATOR NAME ADDRESS (Technology) C7644		PHONE 301 773-3900 (AREA CODE)		GENERATOR EPA ID NO.	
FCI REP. LOADING (PRINT) Bruce Farris		PROCEDURE		BOX SPOTTED	
BOX REMOVED 1321		TRACTOR 450		TRAILER 147	
APPOINTMENT TIME :		TIME AT GENERATOR (MILITARY TIME ONLY) 17:30		ARRIVAL TIME 21:00	
DEPARTURE TIME		EQUIPMENT USED		COMMENTS OR DELAYS AT GENERATOR	

BROKER:	STATE MANIFEST NO.:
PO. NO#:	

PROPER U.S. D.O.T. SHIPPING NAME	U.S. D.O.T. HAZARDOUS CLASS	NO. CONT.	CONT. TYPE	WASTE NO.	PACKING GROUP	NA UN NO	FORM	NET QUANTITY
1								
2								
3								

SPECIAL HANDLING INSTRUCTIONS INCLUDING CONTAINER EXEMPTION (I.E., IDENTIFICATION SHIPMENT OF A NON-HAZARDOUS NATURE WHICH DOES NOT HAVE TO BE MANIFESTED).

GENERATOR'S CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation, U.S. EPA and the State. The wastes described above were consigned to the Transporter. The Treatment, Storage or Disposal Facility can and will accept the shipment of hazardous waste, and has a valid permit to do so. I certify that the foregoing is true and correct to the best of my knowledge.

Payment to the contractor for waste removal does not constitute payment to the carrier and if the contractor does not pay the carrier, the generator is obligated to pay the agreed rate to the contractor.

GENERATOR'S SIGNATURE X <u>[Signature]</u>	PLEASE PRINT NAME TITLE Al Gonzalez	DATE LOADED 6/1/01 MO. DAY
---	--	----------------------------------

TSDF NAME/ ADDRESS		PHONE (AREA CODE)		TSDF EPA ID NO.	
TRACTOR		TRAILER		APPOINTMENT TIME :	
FCI REP. UNLOADING (PRINT)		PROCEDURE		BOX SPOTTED	
BOX REMOVED		TIME AT TSDF (MILITARY TIME ONLY) :		ARRIVAL TIME :	
DEPARTURE TIME		EQUIPMENT USED		COMMENTS OR DELAYS AT TSDF	

TSDF SIGNATURE X _____	PLEASE PRINT NAME TITLE	DATE UNLOADED / / MO. DAY
---------------------------	-------------------------	---------------------------------

AR H-0257 PC 944	ME ME-HWT-47 ME-WOT-47	MO H-1490 ND WH-429	NOVA SCOTIA, CANADA NSC 000 147	QUEBEC, CANADA QC-6ML-
CT CT-HW-307	MD HWH-167 91-OP-1765	NH TNH-0047	OH 333-HW	RI RI-535
DE DE-HW-203	MA MA-294	NJ S-2265 15939	OK 3358	TX 40705
DE-SW-203	NY JA-113	ONTARIO, CANADA A 840943	PA PA-AH-0067	WI 11602
IL SWH-1540				

White - FCI Original
Yellow - FCI Billing
Blue - FCI Office/ Customer
Green - Retained by TSDF
Gold - Retained by Generator

877490439

G 8342

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES

Bureau of Waste Management

P.O. Box 8550

Harrisburg, PA 17105-8550

OFFICIAL PENNSYLVANIA MANIFEST FORM

Form approved.
OMB No. 2050-0039
Expires 9-30-96

M-51 REV. 10/94

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest
Document No.2. Page 1
of 1Information within the blue border is not
required by Federal law but may be
required by State law.

Generator's Name and Mailing Address

NAPP CHEMICALS INC

199 MAIN STREET P O BOX 900
LODI NJ 07644

201 843-4664

A. State Manifest Document Number

PAE 4246804

B. State Gen. ID

SAME

Transporter 1 Company Name

6. US EPA ID Number

REPUBLIC ENV SYS (PA)

PAD085690592

C. State Trans. ID

PA-AH 506209

Transporter 2 Company Name

8. US EPA ID Number

REPUBLIC ENV SYS (TRANS GROUP)

PAD982661381

D. Transporter's Phone (

215 822-8995

E. State Trans. ID

PA-AH 0317

I. Designated Facility Name and Site Address

10. US EPA ID Number

REPUBLIC ENV SYS (PA), INC.
2869 SANDSTONE DRIVE
HATFIELD PA 19440

PAD085690592

F. Transporter's Phone (

215 822-2676

G. State Facility's ID

H. Facility's Phone (

215 822-8995

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

13. Total
Quantity14. Unit
Wt/Vol

15. Waste No.

a. RQ WASTE SODIUM HYDROSULFITE, 4.2, UN1384, PG II, (D003)

XX2

DM

XX300

P

D003

b. NON DOT/RCRA HAZ LIQUID, NOT DOT REGULATED

XX3

DM

XX450

P

N/A

c. RQ WASTE SODIUM HYDROSULFITE, 4.2,
UN1384, PG II, (D003)

XX1

DF

XX200

P

D003

Additional Descriptions for Materials Listed Above

Lab Pack

Physical State

Lab Pack

Physical State

a. ☐☐

AD38232

c. ☐☐

K. Handling Codes for Wastes Listed Above

a. S01

c.

b. ☐☐

AD38700

d. ☐☐

b. S01

d.

15. Special Handling Instructions and Additional Information

EMERGENCY PHONE (201) 843-4664

DECAL# 64803

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

H. Gazdalski

Signature

H. Gazdalski

MONTH DAY YEAR

07 07 93

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Charles H. Beck JR

Signature

Charles H. Beck JR

MONTH DAY YEAR

07 07 93

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

MONTH DAY YEAR

19. Discrepancy Indication Space

20. Facility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 18.

Printed/Typed Name

Signature

MONTH DAY YEAR



RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

(42)

LS38449

WASTE GENERATOR

RCC-00009

NAME: NAPP CHEMICALS

ADDRESS: 199 MAIN STREET LODI NJ 07644
city state zip

LOCATION: SAME

TELEPHONE: (201)773-3900 CONTACT BOB LOWENSTEIN

BROKER/AGENT OF GENERATOR

NAME: Republic Env System

ADDRESS: 51 Church Rd Hatfield PA 19440
city state zip

TELEPHONE: 800-220-5757 CONTACT Robin

TRANSPORTER OF WASTE

NAME: Republic Env System

ADDRESS: 51 Church Rd Hatfield PA 19440
city state zip

DATE: 7-10-95 TRUCK # 12 LICENSE # XA 52 010

DRIVER SIGNATURE: Ralph Bowens

DISPOSAL FACILITY

NAME: RESOURCE CONSERVATION CORP.

RECEIVED BY: PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

Operator's Signature: Al Gaudalosi

Date: 7/10/95

STRAIGHT BILL OF LADING

REPUBLIC ENVIRONMENTAL SYSTEMS

①

2337 NORTH PENN ROAD
HATFIELD PA 19440

REF 393899 1/1

OF PICKUP EPA IDENTIFICATION CODE NO. **NJD001315282**
 BY **NAPP CHEMICALS INC** ADDRESS **199 MAIN STREET**
LODI STATE **NJ** ZIP **07644** PHONE **201 773-3900**
 ACT: **BOB LOEWENSTEIN** BROKER:

S DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit Wt./Vol.	Waste No.
	No.	Type			
NON DOT/RCRA HAZ DEBRIS NOT DOT REGULATED	001	D T	20	Y	N / A

ional Information/Lab Code
DS38449

Emergency Phone#

TRACT/PO NO. _____
 OF OVERPACKS USED _____
 IT TIME _____
 'AL AT CUSTOMER _____
 ,TED CUSTOMER _____
 Y TIME _____

SPECIAL INSTRUCTIONS / REASONS FOR DELAY

GENERATOR CERTIFICATION:

I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations. I certify that all times listed above are true and correct.

Signature Al Gazdarski Date 7/10/95

STOR # TRAILER# BOX SPOTTED# BOX PICKED UP# LINER

IMPORTER #1 Republic Env. System PHONE NUMBER 201 225-2660
 PANY Ralph Bower EPA ID NO. PA0982661381
 T NAME Ralph Bower SIGNATURE Ralph Bower DATE 7-10-95

IMPORTER #2 _____ PHONE NUMBER _____
 PANY _____ EPA ID NO. _____
 T NAME _____ SIGNATURE _____ DATE _____

ARRIVAL TIME _____ REASON FOR DELAY _____
 DEPARTURE TIME _____
 Y TIME _____
 H TIME _____

SIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. N/A
 SIGNED TO RESOURCE CONSERVATION CORP. ADDRESS SHADE TOWNSHIP WASTE MGT. FAC.
CAIRNBROOK STATE PA ZIP 15924 PHONE 814 754-4587

TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL
 T NAME _____ SIGNATURE _____ DATE _____

- GENERATOR FILE
 TRANSPORTER FILE
 - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)
 Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE
 Goldenrod - TSD FACILITY COPY

FORM #102 B
(Rev. 1/95)

877490442



RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

431
WS 3844C

WASTE GENERATOR

RCC- 50024

NAME: Napp Technologies

ADDRESS: 199 Main Street Lodi NO 07644
city state zip

LOCATION: same

TELEPHONE: (201) 773-4000 CONTACT Keith Ferraneo

BROKER/AGENT OF GENERATOR

NAME: Republic Environmental

ADDRESS: 2337 Morris Penn Road Sanfield, PA 15440
city state zip

TELEPHONE: (215) 422-2676 CONTACT Greg Brendlinger

TRANSPORTER OF WASTE

NAME: Wills Trucking Inc.

ADDRESS: Old Rt 172 Clinton US
city state zip

DATE: 7-10-95 TRUCK # 132 LICENSE # P2F600 Ohio

DRIVER SIGNATURE: Edward Mumbrough

DISPOSAL FACILITY

NAME: RESOURCE CONSERVATION CORP.

RECEIVED BY: _____ PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

Al Gaydabshi
Operator's Signature

7/10/95
Date

877490444

③

**RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY**

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

WS38449

WASTE GENERATORRCC-50024NAME: Waco TechnologiesADDRESS: 129 Main Street 2011 MS 07544
city state zipLOCATION: sameTELEPHONE: (201) 773-3900 CONTACT Neilon Ferranec**BROKER/AGENT OF GENERATOR**NAME: Republic EnvironmentalADDRESS: 1000 Main Penn Ave Washington DC 20004
city state zipTELEPHONE: (202) 322-2676 CONTACT Mrs. Branciforte**TRANSPORTER OF WASTE**NAME: Wills Trucking IncADDRESS: RT 78 South Service Rd Clinton MS
city state zipDATE: 7-10-95 TRUCK # 093 LICENSE # XX996A MSDRIVER SIGNATURE: [Signature]**DISPOSAL FACILITY**NAME: RESOURCE CONSERVATION CORP.RECEIVED BY: _____ PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

[Signature]
Operator's Signature7/10/95
Date



RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

R55-50024
Rec-00009

WASTE GENERATOR

NAME: NAPP CHEMICALS INC.

ADDRESS: 199 MAIN STREET LCDI NJ 07644
city state zip

LOCATION: SAME

TELEPHONE: (210) 773-5900 CONTACT BOB LOWENSTEIN

BROKER/AGENT OF GENERATOR

NAME: REPUBLIC ENV SYS (PA), INC.

ADDRESS: 2069 SANDSTONE DRIVE HATFIELD PA 19440
city state zip

TELEPHONE: (215) 822-8995 CONTACT ROSS SNOOK

TRANSPORTER OF WASTE

NAME: Republic Environmental Sys. Inc. (Transporter)

ADDRESS: 21 Church Rd Hatfield, PA
city state zip

DATE: 7/10/95 TRUCK # 491550 LICENSE # AA 72531

DRIVER SIGNATURE: Mike Brown

DISPOSAL FACILITY

NAME: RESOURCE CONSERVATION CORP.

RECEIVED BY: PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

Operator's Signature: [Signature]

7/10/95
Date

877490446

STRAIGHT

BILL OF LADING

REPUBLIC ENVIRONMENTAL SYSTEMS

2337 NORTH PENN ROAD
HATFIELD PA 19440

Number 393901 1/1

DATE OF PICKUP 7/10/95 EPA IDENTIFICATION CODE NO. NJD001315282
 GENERATOR NAPP CHEMICALS INC ADDRESS 199 MAIN STREET
LODI STATE NJ ZIP 07644 PHONE 201 773-3900
 CONTACT: BOB LOEWENSTEIN BROKER:

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit Wt./Vol.	Waste No.
	No.	Type			
<u>NON DOT/RCRA HAZ DEBRIS NOT DOT REGULATED</u>	<u>XX1</u>	<u>DT</u>	<u>XX15</u>	<u>4</u>	<u>N/A</u>

Additional Information/Lab Code

DS38449

Emergency Phone#

INTRACT/PO NO.

NO. OF OVERPACKS USED

ART TIME

VAL AT CUSTOMER

ARTED CUSTOMER

LAY TIME

SPECIAL INSTRUCTIONS / REASONS FOR DELAY

LINE TRAILER WAIT TO GO INTO SITE
PULLING TO SITE WAIT TO LOAD LOAD
Secure Trailer Paperwork GO TO SCALE

GENERATOR CERTIFICATION:

I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations. I also certify that all times listed above are true and correct.

Print Name: MIKE GAZDARSKI Signature: Mike Gazdarski Date: 7/10/95

ACTOR # 42 TRAILER# 2550 BOX SPOTTED# X BOX PICKED UP# X LINER X

ANSPORTER #1 Republic Env Sys (IG) inc PHONE NUMBER 215-822-8985
 COMPANY Republic Env Sys (IG) inc EPA ID NO. PAD 982661381

INT NAME MIKE BROWN SIGNATURE Mike Brown DATE 7/10/95

ANSPORTER #2 _____ PHONE NUMBER _____

COMPANY _____ EPA ID NO. _____

INT NAME _____ SIGNATURE _____ DATE _____

DATE OF ARRIVAL TIME _____ REASON FOR DELAY _____

DATE OF DEPARTURE TIME _____

DATE OF DELAY TIME _____

DATE OF VISH TIME _____

NSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. N/A

NSIGNED TO RESOURCE CONSERVATION CORP. ADDRESS SHADE TOWNSHIP WASTE MGT. FAC.
CAIRNBROOK STATE PA ZIP 15924 PHONE 814 754 4587

IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

INT NAME _____ SIGNATURE _____ DATE _____

ite - GENERATOR FILE

e - TRANSPORTER FILE

en - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)

Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE

Goldenrod - TSD FACILITY COPY

FORM #102 B
(Rev. 1/95)



RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

RSS-50024

WASTE GENERATOR

RCC-000009

NAME: NAPP CHEMICALS INC.

ADDRESS: 199 MAIN STREET LODI NJ 07644
city state zip

LOCATION: SAME

TELEPHONE: (210)773-3900 CONTACT BOB LEWENSTEIN

BROKER/AGENT OF GENERATOR

NAME: REPUBLIC ENV SYS (PA), INC.

ADDRESS: 2869 SANDSTONE DRIVE HATFIELD PA 19440
city state zip

TELEPHONE: (215)822-3995 CONTACT BOB SINCK

TRANSPORTER OF WASTE

NAME: Charles H. Beck Jr Republic Environmental Systems (T)

ADDRESS: 21 Church Street Hatfield Pa 19440
city state zip

DATE: 7-10-95 TRUCK # 48 LICENSE # AB 43489 (Pa)

DRIVER SIGNATURE: [Signature]

DISPOSAL FACILITY

NAME: RESOURCE CONSERVATION CORP.

RECEIVED BY: _____ PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

[Signature]
Operator's Signature

7/10/95
Date

877490448

STRAIGHT

BILL OF LADING

REPUBLIC ENVIRONMENTAL SYSTEMS

 2337 NORTH PENN ROAD
 HATFIELD PA 19440

number 393900 1/1

 OF PICKUP 7-10-95 EPA IDENTIFICATION CODE NO. NJD001315282
 RATOR NAPP CHEMICALS INC ADDRESS 199 MAIN STREET
 Y LOOI STATE NJ ZIP 07644 PHONE 201 773-3900
 CONTACT: BOB LOEWENSTEIN BROKER:

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit Wt./Vol.	Waste No.
	No.	Type			
<u>NON DOT/RCRA HAZ DEBRIS NOT DOT REGULATED</u>	<u>XXI</u>	<u>DT</u>	<u>XXX15</u>	<u>Y</u>	<u>N/A</u>

Additional Information/Lab Code

DS38449

Emergency Phone#

CONTRACT/PO NO.

O. OF OVERPACKS USED

RT TIME

IVAL AT CUSTOMER

ARTED CUSTOMER

ELAY TIME

SPECIAL INSTRUCTIONS / REASONS FOR DELAY

GENERATOR CERTIFICATION:

"I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations." I also certify that all times listed above are true and correct.

Print Name Al GAZDARSKISignature Al GAZDARSKIDate 7-10-95TRACTOR # 48TRAILER# 2500BOX SPOTTED# BOX PICKED UP# LINER 1

TRANSPORTER #1

OMPANY

Republic Environmental SystemsPHONE NUMBER (215) 822-8985 2676EPA ID NO. PAD982661381

RINT NAME

Charles H. Beck JrSIGNATURE [Signature]DATE 7-10-95

TRANSPORTER #2

OMPANY

Republic Environmental SystemsPHONE NUMBER (215) 822-8985 2676EPA ID NO. PAD982661381

RINT NAME

SIGNATURE

DATE

SDF ARRIVAL TIME

REASON FOR DELAY

SDF DEPARTURE TIME

ELAY TIME

INISH TIME

ONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. N/ANSIGNED TO RESOURCE CONSERVATION CORP.ADDRESS SHADE TOWNSHIP WASTE MGT. FAC.CAIRNBROOKSTATE PAZIP 15924PHONE 814 754 4587

IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

RINT NAME

SIGNATURE

DATE

White - GENERATOR FILE

Blue - TRANSPORTER FILE

Yellow - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)

Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE

Goldenrod - TSD FACILITY COPY

FORM #102 B
(Rev. 1/95)



RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

46

WS3844

WASTE GENERATOR

RCC-50024

NAME: Waste Technologies

ADDRESS: 199 Main Street Local NJ 07849
city state zip

LOCATION: 53301

TELEPHONE: (201) 773-9900 CONTACT Keith Terraneo

BROKER/AGENT OF GENERATOR

NAME: Republic Environmental

ADDRESS: 1537 North Penn Road Capitola, PA 19440
city state zip

TELEPHONE: (215) 422-1576 CONTACT Greg Brenolin, Jr

TRANSPORTER OF WASTE

NAME: Wills Trucking Inc

ADDRESS: RT 96 S. Service Rd Clinton NJ
city state zip

DATE: 7.13.95 TRUCK # 093 LICENSE # XX99GP NJ

DRIVER SIGNATURE: [Signature]

DISPOSAL FACILITY

NAME: RESOURCE CONSERVATION CORP.

RECEIVED BY: _____ PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

[Signature]
Operator's Signature

7/13/95
Date



RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

RSS-50024
RCC-00009

WASTE GENERATOR

NAME: NAPP CHEMICALS INC.

ADDRESS: 199 MAIN STREET LCDI NJ 07644
city state zip

LOCATION: SAME

TELEPHONE: (210) 773-3900 CONTACT BOB LOWENSTEIN

BROKER/AGENT OF GENERATOR

NAME: REPUBLIC ENV SYS (PA), INC.

ADDRESS: 2869 SANDSTONE DRIVE HATFIELD PA 19440
city state zip

TELEPHONE: (215) 222-6995 CONTACT ROSS SNICK

TRANSPORTER OF WASTE

NAME: Republic Env System

ADDRESS: Rte 21 Church Rd Hatfield PA 19440
city state zip

DATE: 7-17-95 TRUCK # 45 LICENSE # PA 04590

DRIVER SIGNATURE: [Signature]

DISPOSAL FACILITY

NAME: RESOURCE CONSERVATION CORP.

RECEIVED BY: _____ PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

[Signature]
Operator's Signature

7/13/95
Date

877490451

STRAIGHT BILL OF LADING

REPUBLIC ENVIRONMENTAL SYSTEMS

2337 NORTH PENN ROAD
HATFIELD PA 19440

393905 1/1

DATE OF PICKUP 7-13-95 EPA IDENTIFICATION CODE NO. NJD001315282
 GENERATOR NAPP CHEMICALS INC ADDRESS 199 MAIN STREET
 CITY LODI STATE NJ ZIP 07644 PHONE 201 773-3901
 CONTACT: BOB LOEWENSTEIN BROKER:

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit Wt./Vol.	Waste N
	No.	Type			
a. NON DOT/RCRA HAZ DEBRIS NOT DOT REGULATED	<u>1</u>	<u>DT</u>	<u>15</u>	<u>Y</u>	<u>N / A</u>
b.					
c.					
d.					

Additional Information/Lab Code

Emergency Phone# 1800-220-8996a DS38449

b

CONTRACT/PO NO.

OF OVERPACKS USED

RT TIME

ARRIVAL AT CUSTOMER

DEPARTED CUSTOMER

DELAY TIME

SPECIAL INSTRUCTIONS / REASONS FOR DELAY

GENERATOR CERTIFICATION:

"I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations."

also certify that the information listed above is true and correct.

Print Name Al GAZDARSKISignature Al GAZDARSKIDate 7/13/95TRACTOR # 45TRAILER# 2080

BOX SPOTTED#

BOX PICKED UP#

LINER YES

TRANSPORTER #1

COMPANY Republic Env systemsPRINT NAME Craig ThompsonSIGNATURE Craig ThompsonDATE 7-13-95PHONE NUMBER 215-822-2676EPA ID NO. PA0982661381

TRANSPORTER #2

COMPANY Republic Env systems

PRINT NAME

SIGNATURE

DATE

PHONE NUMBER 215-822-2676EPA ID NO. PA0982661381

TSDF ARRIVAL TIME

REASON FOR DELAY

TSDF DEPARTURE TIME

DELAY TIME

FINISH TIME

SIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. N/ASIGNED TO RESOURCE CONSERVATION CORP.ADDRESS SHADE TOWNSHIP WASTE MGT. FAC.C CAIRNBROOKSTATE PAZIP 15924PHONE 814 754-4587

THIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

PRINT NAME

SIGNATURE

DATE

White - GENERATOR FILE
 Blue - TRANSPORTER FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)
 Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE
 Green - TREATMENT/STORAGE/DISPOSAL FACILITY COPY

FORM #



**RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY**

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

NON-HAZARDOUS RESIDUAL WASTE MANIFEST

RSS-50024

WASTE GENERATOR

RCC 00009

NAME: NAPP CHEMICALS INC.

ADDRESS: 199 MAIN STREET LODI NJ 07644
city state zip

LOCATION: SAME

TELEPHONE: (210) 773-3900 CONTACT BOB LOWENSTEIN

BROKER/AGENT OF GENERATOR

NAME: REPUBLIC ENV SYS (PA), INC.

ADDRESS: 2869 SANDSTONE DRIVE HATFIELD PA 19440
city state zip

TELEPHONE: (215) 322-8995 CONTACT RCEB SMOCK

TRANSPORTER OF WASTE

NAME: Republic Environmental Systems (Trans. Group)

ADDRESS: 21 Church Street Hatfield PA 19440
city state zip

DATE: 7-13-95 TRUCK # 48 LICENSE # 43489 (PA)

DRIVER SIGNATURE: [Signature]

DISPOSAL FACILITY

NAME: RESOURCE CONSERVATION CORP.

RECEIVED BY: _____ PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

[Signature]
Operator's Signature

7/13/95
Date

877490453

STRAIGHT

BILL OF LADING

REPUBLIC ENVIRONMENTAL SYSTEMS

 2337 NORTH PENN ROAD
 HATFIELD PA 19440

3904 1/1

PICKUP 7-13-95

EPA IDENTIFICATION CODE NO. NJD001315282

GENERATOR NAPP CHEMICALS INC

ADDRESS 199 MAIN STREET

LODI

STATE NJ

ZIP 07644

PHONE 201 773-39

CONTACT: BOB LOEWENSTEIN

BROKER:

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit Wt./Vol.	Waste
	No.	Type			
a. NON DOT/RCRA HAZ DEBRIS NOT DOT REGULATED	XX1	D T	XXX 15	Y N /	
b.					
c.					
d.					

Additional Information/Lab Code

Emergency Phone#

a DS38449

c

b

d

CONTRACT/PO NO.

NO. OF OVERPACKS USED

START TIME

ARRIVAL AT CUSTOMER

DEPARTED CUSTOMER

DELAY TIME

SPECIAL INSTRUCTIONS / REASONS FOR DELAY

GENERATOR CERTIFICATION:

"I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations also certify that all times listed above are true and correct.

Print Name M. GAZDARSKI

Signature Al Gazdarski

Date 7/13/95

TRACTOR # 48

TRAILER# 2400

BOX SPOTTED#

BOX PICKED UP#

LINER 1

TRANSPORTER #1

COMPANY

Republic Environmental Systems (Trans Corp)

PHONE NUMBER 215-822-2676

EPA ID NO. PAD982661381

PRINT NAME

Charles H. Beck Jr

SIGNATURE

DATE

7-13

TRANSPORTER #2

COMPANY

Republic Environmental Systems (Trans Corp)

PHONE NUMBER 215-822-2676

EPA ID NO. PAD982661381

PRINT NAME

SIGNATURE

DATE

TSD ARRIVAL TIME

REASON FOR DELAY

TSD DEPARTURE TIME

DELAY TIME

FINISH TIME

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. N/A

CONSIGNEE TO RESOURCE CONSERVATION CORP.

ADDRESS

SHADE TOWNSHIP WASTE MGT. FAC.

CITY CAIRNBROOK

STATE PA

ZIP 15924

PHONE 814 754-4587

THIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

PRINT NAME

SIGNATURE

DATE

White - GENERATOR FILE

Blue - TRANSPORTER FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)

Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE

Goldenrod - TSD FACILITY COPY

FOR
/Rev

STRAIGHT BILL OF LADING

REPUBLIC ENVIRONMENTAL SYSTEMS

2337 NORTH PENN ROAD
HATFIELD PA 19440

49 4
DT# 2020

393903 1/1

DATE OF PICKUP 7/13/95 EPA IDENTIFICATION CODE NO. NJD001315282
GENERATOR NAPP CHEMICALS INC ADDRESS 199 MAIN STREET
BY LODI STATE NJ ZIP 07644 PHONE 201 773-3900
CONTACT: BOB LOEWENSTEIN BROKER:

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit Wt./Vol.	Waste No.
	No.	Type			
NON DOT/RCRA HAZ DEBRIS NOT DOT REGULATED	<u>1</u>	<u>DT</u>	<u>15</u>	<u>Y</u>	<u>P N/A</u>

Additional Information/Lab Code
DS38449

Emergency Phone#

CONTRACT/PO NO. _____
NO. OF OVERPACKS USED _____
DEPART TIME 5:30A
ARRIVAL AT CUSTOMER 8A
DEPARTED CUSTOMER 10:15A *
DELAY TIME _____

SPECIAL INSTRUCTIONS / REASONS FOR DELAY
* PENDING LEGAL C.V.W.

GENERATOR CERTIFICATION:
"I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations." I also certify that all times listed above are true and correct.
Print Name Robert Loewenstein Signature Robert Loewenstein Date 7/13/95

TRACTOR # 46 TRAILER# 2020 BOX SPOTTED# _____ BOX PICKED UP# _____ LINER 1

TRANSPORTER #1
COMPANY REPUBLIC ENV. SYS. - TG PHONE NUMBER 215-997-2446
PRINT NAME C.D. JONES SIGNATURE [Signature] EPA ID NO. PAD982661381 DATE 7/13/95

TRANSPORTER #2
COMPANY _____ PHONE NUMBER _____
PRINT NAME _____ SIGNATURE _____ EPA ID NO. _____ DATE _____

TSDF ARRIVAL TIME _____ REASON FOR DELAY _____
TSDF DEPARTURE TIME _____
DELAY TIME _____
FINISH TIME _____

ONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. N/A
ONSIGNED TO RESOURCE CONSERVATION CORP. ADDRESS SHADE TOWNSHIP WASTE MGT. FAC.
CITY CAIRNBROOK STATE PA ZIP 15924 PHONE 814 754-4587
THIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL
PRINT NAME _____ SIGNATURE _____ DATE _____

White - GENERATOR FILE
TRANSPORTER FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)
Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE

FORM #10

877490454

STRAIGHT BILL OF LADING

REPUBLIC ENVIRONMENTAL SYSTEMS

50

B/L No. 393902 1/1	2337 NORTH PENN ROAD HATFIELD PA 19440
DATE OF PICKUP 7/13/95	EPA IDENTIFICATION CODE NO. NJD001315282
GENERATOR NAPP CHEMICALS INC	ADDRESS 199 MAIN STREET
CITY LODI	STATE NJ ZIP 07644 PHONE 201 773-39
CONTACT: BOB LOEWENSTEIN	BROKER:

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit Wt./Vol.	Waste
	No.	Type			
a. NON DOT/RCRA HAZ DEBRIS NOT DOT REGULATED	1	DT	X15	Y	N/I
b.					
c.					
d.					

Additional Information/Lab Code a. DS38449	Emergency Phone#
b.	d.

CONTRACT/PO NO. _____ NO. OF OVERPACKS USED _____ RT TIME 5:30 AM ARRIVAL AT CUSTOMER 8:00 AM DEPARTED CUSTOMER 10:10 AM DELAY TIME _____	SPECIAL INSTRUCTIONS / REASONS FOR DELAY _____ _____ _____ _____ _____
---	---

GENERATOR CERTIFICATION:

"I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations also certify that all times listed above are true and correct:

Print Name Robert Loewenstein Signature Robert Loewenstein Date 7/13/95

TRACTOR # 33	TRAILER# 2700	BOX SPOTTED#	BOX PICKED UP#	LINER 1
---------------------	----------------------	--------------	----------------	----------------

TRANSPORTER #1 COMPANY PRINT NAME <u>David Charlesworth</u>	PHONE NUMBER _____ EPA ID NO. _____ SIGNATURE <u>David Charlesworth</u> DATE <u>7/13/95</u>
---	---

TRANSPORTER #2 COMPANY PRINT NAME _____	PHONE NUMBER _____ EPA ID NO. _____ SIGNATURE _____ DATE _____
---	--

TSDF ARRIVAL TIME _____ TSDF DEPARTURE TIME _____ DELAY TIME _____ FINISH TIME _____	REASON FOR DELAY _____ _____ _____ _____
---	---

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. N/A	
SIGNED TO RESOURCE CONSERVATION CORP.	ADDRESS SHADE TOWNSHIP WASTE MGT. FAC.
CAIRNBROOK	STATE PA ZIP 15924 PHONE 814 754-4587

THIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL	
PRINT NAME _____	SIGNATURE _____ DATE _____

877490455

Cyclechem

Recycling Treatment & Disposal of Hazardous Waste

217 South First Street, Elizabeth, NJ 07206 908-355-5800, FAX: 908-355-0562

CYCLE CHEM, INC.
17 S. FIRST ST.
ELIZABETH NJ 07206
JD002200046

**LAND DISPOSAL RESTRICTIONS
NOTIFICATION AND CERTIFICATION FORM**

Generator NAPP Technologies

Manifest Number NSA 2171152

SEPA ID No. NSD001315282

Waste Analysis available? ☒ No ☐ Yes, Copy Attached

MANIFEST INFORMATION

LINE ITEM	WW NWW	LIST ALL EPA HAZARDOUS WASTE CODES (RCRA CODES)	CCI PRODUCT CODES
<u>(1)</u>	<u>NWW</u>	<u>X900</u>	<u>349907-CEH</u>

268.9 SPECIAL REQUIREMENTS FOR WASTES THAT EXHIBIT A CHARACTERISTIC
wastes identified below contains underlying hazardous constituents as defined in 268.38

ITEM	EPA NO.	TREATABILITY GROUP
CD_	D001	Ignitable Characteristic Wastes, except for the 261.21 (a) (1) High TOC Subcategory, that are managed in non-CWA/ non-CWA equivalent/ non-Class 1 SDWA Systems.
CD_	D002	Corrosive Characteristic Wastes, that are managed in non-CWA/ non-CWA equivalent/ non-Class 1 SDWA Systems.
D_	D012-D043	Wastes that are TC based on the TCLP in SW846 Method 1311.

UNDERLYING HAZARDOUS CONSTITUENTS
I, D002, D012-D043 OR F039 WASTES

ABCD _____
ABCD _____
ABCD _____
ABCD _____
ABCD _____

ABCD _____
ABCD _____
ABCD _____
ABCD _____
ABCD _____

AB PACK CERTIFICATION

I hereby certify under penalty of law that I personally have examined and am familiar with the waste and that the waste contains only wastes which have not been excluded under appendix IV to 40 CFR Part 268, or solid waste not subject to regulation under 40 CFR Part 261. I am aware that there are significant penalties for making a false certification, including the possibility of fine or imprisonment.

877490456

ITEM	CODE	SUBCATEGORY
ABCD		
ABCD		
ABCD		
ABCD		
ABCD		
ABCD		
ABCD		
ABCD		
ABCD		
ABCD		

V. F001 - F005 SPENT SOLVENT WASTES CONSTITUENT(S)

ABCD	F001	ABCD	F002	ABCD	F003	ABCD	F004	ABCD
ABCD	acetone			ABCD	ethyl ether			
ABCD	benzene			ABCD	methanol			
ABCD	n-butyl alcohol			ABCD	methylene chloride			
ABCD	iso-butyl alcohol			ABCD	methyl ethyl ketone			
ABCD	carbon disulfide			ABCD	methyl isobutyl ketone			
ABCD	carbon tetrachloride			ABCD	nitrobenzene			
ABCD	chlorobenzene			ABCD	pyridine			
ABCD	m-cresol			ABCD	tetrachloroethylene			
ABCD	o-cresol			ABCD	toluene			
ABCD	p-cresol			ABCD	1,1,1-trichloroethane			
ABCD	cresylic acid			ABCD	1,1,2-trichloroethane			
ABCD	cyclohexanone			ABCD	trichloroethylene			
ABCD	o-dichlorobenzene			ABCD	trichloromonofluoromethane			
ABCD	ethyl acetate			ABCD	1,1,2-trichloro-1,2,2-trifluoroethane			
ABCD	ethyl benzene			ABCD	xylene			

VI. CALIFORNIA LIST WASTES

- ABCD NICKEL ≥ 134 mg/l
 ABCD LIQUIDS WITH PCB's ≥ 50 PPM
 ABCD THALLIUM ≥ 130 mg/l
 ABCD HALOGENATED ORGANIC CARBON (HOC's) ≥ 1000 mg/l

VII. NON HAZARDOUS WASTE CERTIFICATION

I certify that the following manifest line-items are not subject to any land disposal restrictions as specified in 40 CFR Subpart D and all applicable prohibitions set forth in Part 268 or RCRA Section 3004(d).

ABCD NON HAZ CODE X900 ABCD NON HAZ CODE _____
 ABCD NON HAZ CODE _____ ABCD NON HAZ CODE _____

VIII. CERTIFICATION

"I notify that I personally examined and am familiar with the waste through analysis and testing or knowledge of the waste to support this notification that the waste described on this page does not comply with treatment standards specified in 40 CFR 268, Subpart D or RCRA Section 3004(d), and all applicable prohibitions set forth in appropriate regulatory treatment standards prior to land disposal."

Signature: Al Gazdalski Date: 7/26/95
 Print Name: Al Gazdalski Title: 7/26/95

877490457

State of New Jersey
Department of Environmental Protection
Hazardous Waste Regulation Program
Manifest Section
CR 421, Trenton, NJ 08625-0421



Type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) Form Approved OMB No. 2030-0039 Expires 9-30-86

**UNIFORM HAZARDOUS
WASTE MANIFEST**

1. Generator's US EPA ID No. NJ 07644-0000		Manifest Document No.		2. Page 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address MPP TECHNOLOGIES (CHEMICALS) 199 MAIN ST. LEHI NJ 07644-0000				6. State Hazardous Waste ID Number NJ 07644-0000		
4. Generator's Phone (908) 385-0620		5. Transporter 1 Company Name CLEAN VENTURE, INC.		6. US EPA ID Number NJ 000000027193		C. State Hazardous Waste ID Number NJ 000000027193
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (908) 442-4900		E. State Trans ID NO DEPE
9. Designated Facility Name and Site Address CYCLE CHEN INC. 217 SOUTH FIRST ST. ELIZABETH NJ 07206-0000		10. US EPA ID Number NJ 07206-0000		F. Transporter's Phone		G. State Facility's ID 908-555-3800
11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) HM WASTE CHEMICAL MIXTURES LIQUID NON-HAZARDOUS (908)		12. Containers No. Type XXI CM		13. Total Quantity XXIX.15	14. Unit Wt/Vol Y	15. Waste No. 1900
J. Additional Descriptions for Materials Listed Above L FPE 906 Building Debris 56 Water 58				K. Handling Codes for Wastes Listed Above		
15. Special Handling Instructions and Additional Information EMERGENCY PHONE 908-442-4900						
AJ 344907-CEMD02-00 XA 25966				N/D 028532		
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name Al Gzdzalski		Signature Al Gzdzalski		Month Day Year 10/7/12/6/19/15		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Louis Card		Signature Louis Card		Month Day Year 10/7/12/6/19/15		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Signature Month Day Year						

STRAIGHT BULK LOADING

REPUBLIC ENVIRONMENTAL SYSTEMS

Henry Treston

2337 NORTH PENN ROAD
HATFIELD PA 19440

B/L
ber 394436 1/1

DATE OF PICKUP _____ EPA IDENTIFICATION CODE NO. NJD001315282
GENERATOR NAPP CHEMICALS INC ADDRESS 199 MAIN STREET
CITY LOOI STATE NJ ZIP 07644 PHONE 201 843-4611
CONTACT: BOB LOEWENSTEIN BROKER: _____

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit Wt./Vol.	Waste
	No.	Type			
a. <u>WASTE OXIDIZING SUBSTANCES, SOLID, N.O.S., 5.1, UN1479, PG II (BISMUTH SUBNITRATE, POWDER)</u>	<u>XX4</u>	<u>DM</u>	<u>X1000</u>	<u>P</u>	<u>DO</u>
b. <u>NON DOT/RCRA HAZ SOLID NOT DOT REGULATED</u>		<u>DM</u>		<u>P</u>	<u>N /</u>
c. <u>NON DOT/RCRA HAZ LIQUID NOT DOT REGULATED</u>	<u>XX4</u>	<u>DM</u>	<u>XX220</u>	<u>G</u>	<u>X7</u>
d.					

Additional Information/Lab Code
a AD38617 S01 c WD38616 S01
b WD28805 S01 d _____
Emergency Phone# _____

CONTRACT/PO NO. SHERRIER
NO. OF OVERPACKS USED 9:15
RT TIME 10:35
ARRIVAL AT CUSTOMER 11:15
DEPARTED CUSTOMER _____
DELAY TIME _____

SPECIAL INSTRUCTIONS / REASONS FOR DELAY While Loading Drums Some of them had a gel die mix with rain water on top the drums, every time I tip over a drum to take it off the pallet more green water off, the more water hit the floor the gel it became, till finally I said we had to

GENERATOR CERTIFICATION:
"I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulation also certify that all items listed above are true and correct."
Print Name Keith Tellaro Signature Keith Tellaro Date 6-27-92

TRACTOR # 55 TRAILER# 3190 BOX SPOTTED# — BOX PICKED UP# — LINER —

TRANSPORTER #1
COMPANY REPUBLIC ENV. SYS. (PA) PHONE NUMBER 215 822-8995
PRINT NAME Vincent Murante SIGNATURE Vincent Murante DATE 6-27-92
EPA ID NO. PAD085690592

TRANSPORTER #2
COMPANY REPUBLIC ENV SYS (TRANS GROUP) PHONE NUMBER 215 822-2676
PRINT NAME _____ SIGNATURE _____ DATE _____
EPA ID NO. PAD982661381

TSDF ARRIVAL TIME _____ REASON FOR DELAY out the trailer, which the did, they moved drums that were on trailers, boxed down some bleach to cut the hoses it out real well, the squencer water out replace the drums
TSDF DEPARTURE TIME _____
DELAY TIME _____
FINISH TIME _____

INSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. PAD085690592
INSIGNED TO REPUBLIC ENV SYS (PA), INC. ADDRESS 2869 SANDSTONE DRIVE
CITY HATFIELD STATE PA ZIP 19440 PHONE 215 822-8995
THIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL
PRINT NAME _____ SIGNATURE _____ DATE _____

ber 335009 1/1

DATE OF PICKUP 7/27/95 EPA IDENTIFICATION CODE NO. NJD001315282
 GENERATOR NAPP CHEMICALS INC ADDRESS 199 MAIN STREET
LODI STATE NJ ZIP 07644 PHONE 201 843-4664
 FACT: BOB LOEWENSTEIN BROKER:

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit WL/Vol.	Waste No.
	No.	Type			
ION DOT/RCRA HAZ SOLID NOT DOT REGULATED	xx1	CM	xxx 25	Y	N/A

Additional Information/Lab Code

JS35664

Emergency Phone#

SMAIL
 CONTRACT/PO NO. _____
 NO. OF OVERPACKS USED _____
 ART TIME 0900
 RIVAL AT CUSTOMER 0930
 PARTED CUSTOMER 1015
 AY TIME _____

SPECIAL INSTRUCTIONS / REASONS FOR DELAY
Contact appropriate personnel - wait for
escort into site - load can
paperwork - signature

ERATOR CERTIFICATION:

I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. I also certify that times listed above are true and correct.

nt Name AI GAZDANSKI Signature x AI GAZDANSKI Date 7/27/95

ACTOR # 43 TRAILER# 4100 BOX SPOTTED# - BOX PICKED UP# 9890 LINER -

PHONE NUMBER 215 822-8995

ANSORTER #1
 COMPANY REPUBLIC ENV. SYS. (PA) EPA ID NO. PAD085690592

INT NAME DAVID R ROSENBERGER SIGNATURE David R Rosenberg DATE 7/27/95

ANSORTER #2
 COMPANY REPUBLIC ENV SYS (TRANS GROUP) PHONE NUMBER 215 822-2676

EPA ID NO. PAD982661381

INT NAME _____ SIGNATURE _____ DATE _____

DATE OF ARRIVAL TIME _____ REASON FOR DELAY _____
 DATE OF DEPARTURE TIME _____
 DAY TIME _____
 VISH TIME _____

DESIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. OH055522429

DESIGNED TO EVERGREEN ENVIRONMENTAL GROUP ADDRESS 33 INDUSTRIAL DRIVE

TY BEDFORD STATE OH ZIP 44146 PHONE 216 786-7800

IIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

NT NAME _____ SIGNATURE _____ DATE _____

- GENERATOR FILE
- TRANSPORTER FILE
- REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

- Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)
- Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE
- Goldenrod - TSD FACILITY COPY

877490460

DCN: 01-206-F
 Rev. 6/95



REPUBLIC
ENVIRONMENTAL
SYSTEMS

DAMAGE CONTROL REPORT

SYSTEMS, INC.

21 CHURCH ROAD
HATFIELD, PA 19440

(215) 997-9111
(215) 997-6016 FAX

1. TO BE FILLED OUT BY DRIVER WHEN CAN IS PICKED UP.
2. SEND COPY TO MAINTENANCE DEPARTMENT.
3. MECHANIC TO FILL OUT AND SEND TO SUPERVISOR.
4. SEND COMPLETED COPY TO BILLING.

CUSTOMER

Napp Chemical

DATE

7/27/95

ADDRESS

main st

SIGNATURE

X Al Gaydalski

(Customer)

SIGNATURE

Wm J R Rosenberg

(Driver)

DESCRIPTION OF DAMAGE

ROLL-OFF CAN #

4890

TARP

OK

BOWS

OK

TIE DOWNS

OK

CAN: LEFT SIDE

OK

RIGHT SIDE

OK

FRONT

OK

REAR

OK

COMMENTS:

(TO BE FILLED OUT BY MAINTENANCE DEPARTMENT)

REPAIRS BREAKDOWN

PARTS LIST

QUANTITY	PART DESCRIPTION	PRICE	LABOR	TIME
			MECHANIC	
TOTAL PARTS			LABOR = ____ HRS @ ____ /HOUR TOTAL LABOR	

BILL OF SALE

ALLERS NAME

DATE _____

CONTRACT

ACTION

CONTACT PERSON**PHONE NUMBER**

(201) 773-3900

SITE INFORMATION

STONEMAN SITE

CONTACT PERSON

CATION

PHONE NUMBER

(201-5) 779-2356

HAZARD CATEGORIES: "1" - SUPER CRITICAL "2" - REACTIVE &/OR POISON "3" - FLAMMABLE &/OR INERT. 6

SIGNATURE OF MG INDUSTRIES AUTHORIZED REPRESENTATIVE

SIGNATURE OF SELLERS AUTHORIZED REPRESENTATIVE

SELLER THROUGH ITS AUTHORIZED REPRESENTATIVE, HEREBY COVENANTS WITH MG INDUSTRIES THAT SELLER IS THE LAWFUL OWNER OF THE LISTED CYLINDERS AND THEIR CONTENTS WHOSE RIGHT, TITLE AND INTEREST IS HEREBY CONVEYED; THAT THE SAME ARE FREE FROM ENCUMBRANCES; THAT SELLER HAS GOOD RIGHT TO SELL THE SAME; AND THAT SELLER WILL WARRANT AND DEFEND THE SAME AGAINST THE LAWFUL CLAIMS OF ALL PERSONS. SELLER HEREBY DISCLAIMS ALL WARRANTIES WITH RESPECT TO THE CYLINDERS CONVEYED HEREBY, EXPRESS OR IMPLIED.

CUSTOMER

877490462

U.S. Steel Industrial Park, Fairless Hills, Pa. 19030

Page 1 of 1

 IN THE EVENT OF FIRE, SPILL,
OR RELEASE, CONTACT

1-800-641-4357

TRUCK 5254	TRAILER	LOCATION Fairless Hills, Pa.	DRIVER Edmund COTTEN	DATE 7/27/95	
1/M	Product Shipping Name	HMID Class	HMID UN	Special Provisions	QTY
X	Acetylene, Dissolved	2.1	1001		2
X	Air, Compressed	2.2	1002		2
	Argon, Compressed	2.2	1008		
	Argon, Refrigerated Liquid	2.2	1951		
	Carbon Dioxide	2.2	1013		
	Carbon Dioxide/Refrigerated Liquid	2.2	2187		
	Carbon Monoxide	2.3	1018	Poison Inhalation-Hazard Zone "D"	
	Chlorine RG	2.3	1017	Poison Inhalation-Hazard Zone "B"	
	Helium, Compressed	2.2	1046		
	Helium, Refrigerated Liquid	2.2	1963		
	Hydrogen, Compressed	2.1	1049		
	Methane, Compressed	2.1	1971		
X	Nitrogen, Compressed	2.2	1066		1
	Nitrogen, Refrigerated Liquid	2.2	1977		
	Nitrous Oxide, Compressed	2.2	1070		
X	Oxygen, Compressed	2.2	1072		1
	Oxygen, Refrigerated Liquid	2.2	1073		
X	Propane	2.1	1978		1
	Propylene	2.1	1077		
	Compressed Gas, n.e.s. (Carbon Dioxide, Argon)	2.2	1956		
	Compressed Gas, n.e.s. (Oxygen, Argon)	2.2	1980C		
	Compressed Gas, n.e.s. (Helium)	2.2	1956		
	Compressed Gas, n.e.s. (Nitrogen)	2.2	1956		
	Compressed Gas, n.e.s. (Methane, Argon)	2.2	1956		
	Compressed Gas, Flammable n.e.s. (Hydrogen)	2.1	1954		
	Ethylene Oxide RG	2.3	1040	Poison Inhalation-Hazard Zone "C"	
	Dinitrogen Tetraoxide RG	2.3	1067	Poison Inhalation-Hazard Zone "A"	
	Ammonia, Anhydrous RG	2.2	1008	Inhalation-Hazard	
	Sulfur Dioxide, Liquid	2.3	1079	Poison Inhalation-Hazard Zone "C"	
	Sulfur Hexafluoride	2.2	1080		
	Dichlorodifluoromethane, Ethylene Oxide Mixture w < 12% Ethylene Oxide	2.2	3070		
	Hydrogen Chloride, Anhydrous RG	2.3	1050	Poison Inhalation-Hazard Zone "D"	
	Krypton, Compressed	2.2	1056		

* 2.1 - Flammable Gas 2.2 - Non-Flammable Gas 2.3 - Poison Gas

This is to certify that the above named materials
are properly classified, described, packaged,
marked and labeled and are in proper condition
for transportation according to the applicable
regulations of the Department of Transportation.

Robert J. Lemicky
Robert J. Lemicky,
By: Plant Manager
MO Industries

Customer Copy - IN FORMATERIAL PURPOSES

877490463

One Steel Road East
Mortleville, PA 18057
215-786-5200 Fax 215-738-8240



CONTRACTOR: ENSA
CONTACT: RICK SMAL
PHONE: 201-779-7808
FAX: 201-779-5384
COMPANY: NAPP (DIRECT BILL)

QUOTE #: 072785A
ACCOUNT #: 53788
PO #: 18185
DATE: 07/27/05
(QUOTATION VALID FOR 90 DAYS)

MG Industries is pleased to offer you the following quotation for the purchase and remediation of your compressed gas cylinders.

(PLEASE SEE THE ATTACHMENT FOR THE DESCRIPTION OF CYLINDER CONTENTS)

TOTAL FOR CYLINDER REMEDIATION (KNOWN CONTENTS):	\$1,270.00
CYLINDER UTILIZATION CERTIFICATE:	\$40.00
TRANSPORTATION (MG TRUCK):	\$200.00
GAS SPECIALIST LABOR (2 PERSONS @ \$50/ HR):	\$100.00

TOTAL: \$1,610.00

NO CHARGE FOR SHIPPING LABELS, MANIFESTS, INSTRUCTIONS

MG INDUSTRIES WILL PICK UP THE CYLINDERS AND PREPARE
THE CYLINDERS FOR SHIPMENT. THIS OPTION REQUIRES
MG TECHNICIANS AND ANY APPLICABLE EXPENSES, WHICH ARE NOTED.

A Member of the  Group of Companies

877490464

Special Handling Charges

MG Industries does not accept cylinders with known stuck valves, however, should a stuck valve be discovered on an already accepted cylinder, a special handling charge of \$200.00 per valve would be applied. Stuck caps can be removed for a charge of \$75.00 per cap.

Unknown Cylinders

A site survey is required when determining which unknown cylinders MG Industries will accept for sampling. The site survey is discounted if the inspection is coordinated with a known cylinder survey or pick-up.

MG Industries reserves the right to choose which unknown cylinders to accept for analysis.

A Certificate of Analysis will be provided upon request, for unknown cylinders successfully analyzed.

MG Industries will determine, after analysis, which unknown cylinders can be accepted for remediation. An additional quotation for these cylinders will be provided with a 10% discount applied to current remediation prices.

All Cylinders

All cylinders not accepted for remediation will be returned at contractor's expense.

This quotation is made contingent upon 1.) the cylinders meeting DOT visual inspection criteria and the contents being known, and 2.) the cylinders being of a non-disposable type, i.e. refillable. The cylinder and its valve must be in good operating condition. Neither the cylinder, its valve, nor the cylinder contents may show any indication of radioactive contamination. MG Industries reserves the right, in its sole and final judgement, not to purchase or sample any cylinder failing to meet the criteria set forth above.

MG Industries will provide a Bill of Sale to be completed by ENSA .

This Bill of Sale will allow MG Industries to take title to the cylinders upon acceptance at MG Industries' Fairless Hills, PA facility.

Thank you for your interest in MG Industries' Cylinder Remediation Services. Please contact me for any additional information you may need. I look forward to working with you.

Sincerely,


Joel A. Todaro
Product Manager
Cylinder Remediation

Description of Cylinder Contents and Current Pricing

FLAMMABLES	\$128	\$180	\$200	\$280	
ACETYLENE (+ 850/ CYL)			1	1	\$550
1,3 BUTADIENE					
N-BUTANE					
1-BUTENE					
CIS-2-BUTENE					
CYCLOPROPANE					
DEUTERIUM					
2,2 DIMETHYLPROPANE					
ETHANE					
ETHYLACETYLENE					
ETHYLENE					
HYDROGEN					
ISOBUTANE					
ISOBUTYLENE					
METHANE					
METHYLACETYLENE					
3-METHYL-1-BUTENE					
PROPADIENE					
PROPANE			1		\$200
PROPYLENE					
TRANS-2-BUTENE					
VINYL METHYL ETHER					
INERTS	\$100	\$110	\$120	\$140	
AIR	1			1	\$240
ARGON					
CARBON DIOXIDE					
HELIUM					
KRYPTON					
NEON					
NITROGEN				1	\$140
NITROUS OXIDE					
OCTAFLUOROCYCLOBUTANE					
OXYGEN				1	\$140
PERFLUOROPROPANE					
SULFUR HEXAFLUORIDE					
XENON					
HALOCARBONS	\$200	\$270	\$340	\$480	
R-11					
R-13					
R-13B1					
R-14					
R-23					
R-113					
R-114					
R-115					
R-116					
TOTAL FOR CYLINDER REMEDIATION:					\$1,270

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Description of Cylinder Contents and Current Pricing

	PRICE PER CYLINDER				TOTALS
	LB	SM	MED	LG	
SUPERCRITICAL	\$300	\$375	\$605	\$875	
BORON TRICHLORIDE					
BORON TRIFLUORIDE					
CYANOGEN					
DIBORANE					
GERMANE					
PHOSGENE					
PHOSPHINE					
SILANES	\$250	\$280	\$385	\$945	
DICHLOROSILANE					
SILANE					
DIMETHYLDIFLUOROSILANE					
DIMETHYLSILANE					
METHYL SILANE					
METHYL TRIFLUOROSILANE					
TRIMETHYLSILANE					
MONOCHLOROSILANE					
SILICON TETRACHLORIDE					
SILICON TETRAFLUORIDE					
TRIMETHYLFLUOROSILANE					
TRIMETHYLSILANE					
FLAMMABLE POISONS	\$230	\$275	\$410	\$740	
CARBONYL SULFIDE					
ETHYL CHLORIDE					
HYDROGEN SULFIDE					
METHYL BROMIDE					
METHYL CHLORIDE					
METHYL MERCAPTAN					
MONOMETHYLAMINE					
DIMETHYLAMINE					
TRIMETHYLAMINE					
REACTIVE POISONS	\$180	\$230	\$325	\$480	
AMMONIA					
CARBON MONOXIDE					
CHLORINE					
ETHYLENE OXIDE					
HYDROGEN CHLORIDE					
NITRIC OXIDE					
NITROGEN DIOXIDE					
SULFUR DIOXIDE					
REFRIGERANTS	\$140	\$200	\$290	\$320	
R-12					
R-22					

to certify that the below-named materials are properly classified, described, packaged, marked and labeled, and are in condition for transportation according to the applicable regulations of the Department of Transportation.

STRAIGHT BILL OF LADING ORIGINAL — NOT NEGOTIABLE

DOVER TRUCKING

(Name of Carrier)

(SCAC)

Shipper No. _____

Carrier No. _____

Date 7-28-95

Consignee HYDROTECH CHEMICAL

FROM: Shipper NAPP CHEMICAL

On Collect or Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1

182 CEDAR ST

Street 199 MAIN ST

Location PATERSON NJ

Zip Code

Origin LODI, NJ

Zip Code

RICK SMAIL

Vehicle Number

Q. ping its	* HM	Kind of Packaging, Description of Articles, Special Marks and Exceptions	Weight (Subject to Correction)	RATE	CHARGES
1		PART DRUM BWT-655			
1		PART DRUM BWT-624			
		PART DRUM BWT-630			
		PART DRUM BWT-600A			
1		PART DRUM CWT-510A			
3		5 GAL PAILS ANTIFOAM FG-10			

TO: LESS		C.O.D. Amt: \$	C.O.D. FEE: PREPAID <input type="checkbox"/> \$ COLLECT <input type="checkbox"/> \$	TOTAL CHARGES: \$
Note—Where the rate is dependent on value, shippers are required to state it in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____		Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other charges.		FREIGHT CHARGES FREIGHT PREPAID <input type="checkbox"/> Check Box if Charges are to be COLLECT <input type="checkbox"/> except when box at right is checked
		(Signature of Consignor)		

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporate association of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is agreed as to each carrier of all or any of, said property overall or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment. Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper for himself and his assigns.

PER NAPP CHEMICAL	CARRIER
ENSER	PER 7-28-95

Mark with "X" to designate Hazardous Material as defined in Title 49 of the Code of Federal Regulations.

877490468

Generator Name: **ENAPP CHEMICALS INC.**Generator EPA ID Number: **NJD001315282**Manifest Number: **PAE4249921**

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

1a Approval/Lab Code: **AD38234**Waste Water: **Y** Non Waste Water: **Y** UHC's: **Y** Class Group: **A**Waste Codes: **F003 D001**

Sub Categories:

**F003/F005 ONLY CONTAIN CARBON DISULFIDE, CYCLOHEXANONE, OR METHANOL
HIGH TOC IGNITABLE CHARACTERISTIC LIQUIDS**

Constituent(s):

METHANOL11b Approval/Lab Code: **WD38236**Waste Water: **N** Non Waste Water: **Y** UHC's: **Y** Class Group: **A**Waste Codes: **D002**

Sub Categories:

CORROSIVE CHARACTERISTIC WASTES, CWA, CWA-EQUIVALENT, OR CLASS I SDWA SYSTEMS

Constituent(s):

NO UHC'S IN WASTE

See back for descriptions of classification groups and classification group certification statement.

I hereby certify that I believe that the information I submitted herein is true, accurate and complete.

Signature: **Al Gajdalski**Title: **QC**Date: **7/28/95**

1. Generator's US EPA ID No. **PA 085690592**
 2. Page 1 of 1
 Information within this label border is required by Federal law but may be required by State law.
 A. State Manifest Document Number: **PAE 4249921**
 B. State Gen. ID: **PAE**
 C. State Trans. ID: **PA-AH**
 D. State Facility ID: **PA-AH**
 E. State Facility ID: **PA-AH**
 F. State Facility ID: **PA-AH**
 G. State Facility ID: **PA-AH**
 H. State Facility ID: **PA-AH**

Generator's Name and Mailing Address:
199 MAIN STREET P O BOX 900
LODI NJ 07644
201 843-4664
 Generator's Name and Mailing Address:
REPUBLIC ENV. SYS. (PA)
2869 SANDSTONE DRIVE
HATFIELD PA 19440
 Designated Facility Name and Site Address:
REPUBLIC ENV. SYS. (TRANS. GROUP)
2869 SANDSTONE DRIVE
HATFIELD PA 19440

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
RQ WASTE ALCOHOLS, N.O.S., 3, UN1987, PG II, (METHANOL, ISOPROPAL ALCOHOL), (F003)*	XXXI DM XXXI/5	XXXI/5	G	F 003
RQ WASTE CAUSTIC ALKALI LIQUID, N.O.S., 8, UN1719, PG III, (SODIUM HYDROXIDE), (D002)	XXXI DM XXXI/5	XXXI/5	G	D 002
NON DOT/RCRA HAZ SOLID, NOT DOT REGULATED	XXXI DM XXXI/300	XXXI/300	P	N/A

16. Additional Descriptions for Materials Listed Above
 Lab Pack Physical State Lab Pack Physical State
 a. ☐ ☐ AD38234 c. ☐ ☐ AD38884
 b. ☐ ☐ ~~AD38234~~ d. ☐ ☐ ~~AD38234~~

17. Special Handling Instructions and Additional Information
 11A- D001
 EMERGENCY PHONE **201 (843-4664)**

18. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
 If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.
 Printed/Typed Name: **Al Gazdalski**
 Signature: **Al Gazdalski**
 MONTH DAY YEAR: **10 7 28 95**
 Printed/Typed Name: **JOHN TIBBS**
 Signature: **John Tibbs**
 MONTH DAY YEAR: **10 7 28 95**

19. Discrepancy Indication Space
 20. Facility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 18.
 Printed/Typed Name: _____
 Signature: _____
 MONTH DAY YEAR: _____

REPUBLIC ENVIRONMENTAL SYSTEMS

B/L Number: **395043 1/1**
 DATE OF PICKUP: **7-20-95** EPA IDENTIFICATION CODE NO.: **PA0001315282**
 GENERATOR: **NAPP CHEMICALS INC** ADDRESS: **9199 MAIN STREET**
LODI STATE: **NJ** ZIP: **07644** PHONE: **201 843-466**
 TACT: **BOB LOEWENSTEIN** BROKER:

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit Wt./Vol.	Waste
	No.	Type			
a. RQ WASTE ALCOHOLS, N.O.S., 3, UN1987, PG II (METHANOL, ISOPROPAL ALCOHOL)	XXX1	DM	XXX15	G	F30 0
b. RQ WASTE CAUSTIC ALKALI LIQUID, N.O.S., 8, UN1719, PG III (SODIUM HYDROXIDE)	XXX	DM	XXXXX	X	D 0 0
c. NON DOT/RCRA HAZ SOLID NOT DOT REGULATED	XX2	DM	XXX300	P	N / A
d.					

Additional Information/Lab Code: **a AD38234 S01** Emergency Phone#: **c AD38884 S01**
b WD38236 S01 **d**

CONTRACT/PO NO. _____ NO. OF OVERPACKS USED _____ START TIME 6:00 A ARRIVAL AT CUSTOMER 8:20 A DEPARTED CUSTOMER 9:15 A DAY TIME 1:00 PM	SPECIAL INSTRUCTIONS / REASONS FOR DELAY _____ _____ _____ _____ _____
---	--

GENERATOR CERTIFICATION:
 "I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations." I also certify that all times listed above are true and correct.
 Print Name: **X Al Gazdalski** Signature: **X Al Gazdalski** Date: **7-20-95**

TRACTOR # **30** TRAILER# **39410** BOX SPOTTED# _____ BOX PICKED UP# _____ LINER _____
 PHONE NUMBER **215 822-8995**
 TRANSPORTER #1
 COMPANY **REPUBLIC ENV. SYS. (PA)** EPA ID NO. **PA085690592**
 PRINT NAME **JOHN TILBBS** SIGNATURE **[Signature]** DATE _____
 TRANSPORTER #2
 COMPANY **REPUBLIC ENV SYS (TRANS GROUP)** PHONE NUMBER **215 822-2676**
 EPA ID NO. **PA0982661381**
 PRINT NAME _____ SIGNATURE _____ DATE _____

TSDF ARRIVAL TIME _____ TSDF DEPARTURE TIME _____ DELAY TIME _____ FINISH TIME _____	REASON FOR DELAY _____ _____ _____ _____
---	---

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. **PA085690592**
 CONSIGNED TO **REPUBLIC ENV SYS (PA), INC.** ADDRESS **2869 SANDSTONE DRIVE**
 CITY **HATFIELD** STATE **PA** ZIP **19440** PHONE **215 822-8995**
 THIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL
 TINT NAME _____ SIGNATURE _____ DATE _____

White - GENERATOR FILE
 Blue - TRANSPORTER FILE
 Green - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)
 Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE
 Goldenrod - TSD FACILITY COPY

DCN: 0
 Rev. 6/

877490471

Number 395046 1/1

DATE OF PICKUP 7-20-95 EPA IDENTIFICATION CODE NO. NJD0001315282
 GENERATOR NAPP CHEMICALS INC ADDRESS 199 MAIN STREET
LOOI STATE NJ ZIP 07644 PHONE 201 843-4664
 ACT: BOB LOEWENSTEIN BROKER:

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit WL/Vol.	Waste No.
	No.	Type			
NON DOT/RCRA HAZ LIQUID NOT DOT REGULATED	XXI	EXXXSS	G	N/A	

Additional Information/Lab Code WD38178 S01 Emergency Phone#
 c
 d

CONTRACT/PO NO. H SPECIAL INSTRUCTIONS / REASONS FOR DELAY
 NO. OF OVERPACKS USED
 START TIME 6:00 A
 ARRIVAL AT CUSTOMER 8:20 A
 DEPARTED CUSTOMER 9:15 A
 DAY TIME 1:00 PM

GENERATOR CERTIFICATION:
 I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. I also certify that the times listed above are true and correct.
 Print Name KAL GAZDANSKI Signature KAL GAZDANSKI Date 7-20-95

TRACTOR # 30 TRAILER# 3940 BOX SPOTTED# BOX PICKED UP# LINER
 PHONE NUMBER 215 822-8995

TRANSPORTER #1
 COMPANY REPUBLIC ENV. SYS. (PA) EPA ID NO. PAD085690592
 PRINT NAME JOHN TIBBS SIGNATURE John Tibbs DATE 7-20-95

TRANSPORTER #2
 COMPANY REPUBLIC ENV SYS (TRANS GROUP) PHONE NUMBER 215 822-2676
 EPA ID NO. PAD982661381
 PRINT NAME SIGNATURE DATE

SDF ARRIVAL TIME REASON FOR DELAY
 SDF DEPARTURE TIME
 DELAY TIME
 FINISH TIME

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. PAD085690592
 CONSIGNED TO REPUBLIC ENV SYS (PA), INC. ADDRESS 2869 SANDSTONE DRIVE
 CITY HATFIELD STATE PA ZIP 19440 PHONE 215 822-8995

THIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL
 PRINT NAME SIGNATURE DATE

1 - GENERATOR FILE
 1 - TRANSPORTER FILE
 1 - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)
 Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE
 Goldenrod - TSD FACILITY COPY

877490472

DCN: 01-206-F
 Rev. 6/95

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's Name and Mailing Address: REPUBLIC ENV. SYS. (PA), INC. 2869 SANDSTONE DRIVE HATFIELD PA 19440

2. US EPA ID Number: PAD085690592

3. State Manifest Document Number: PAEM249976

4. State Gen. ID: PA-AH

5. State Trans. ID: PA-AH

6. Transporter's Phone: 215 822-8995

7. State Facility's ID: 0317

8. Facility's Phone: 215 822-8995

9. US DOT Description: NON DOT/RCRA HAZ LIQUID, NOT DOT REGULATED

10. Containers: 12. Containers No. 13. Total Quantity 14. Unit WVVol 15. Waste No.

11. Additional Descriptions for Materials Listed Above: Lab Pack Physical State Lab Pack Physical State

12. Handling Codes for Wastes Listed Above: a. S01 c.

13. Special Handling Instructions and Additional Information: EMERGENCY PHONE 201/693-4

14. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

15. Transporter 1 Acknowledgement of Receipt of Materials: Printed/Typed Name JOHN TIBBS Signature MONTH DAY 10/7/20

16. Transporter 2 Acknowledgement of Receipt of Materials: Printed/Typed Name Signature MONTH DAY

17. Discrepancy Indication Space

18. Facility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 16. Printed/Typed Name Signature MONTH DAY



United Cooperage

C O R P O R A T I O N

No 13774

P.O. Box 22 Berlin, NJ 08009 (609) 767-6644 1-800-775-6645 Fax (609) 768-9747

NAME Napp TechnologyADDRESS 197 Main StCITY LodiSTATE NY

ZIP _____

DATE 7-27-95

CUSTOMER PO _____

QUANTITY	DESCRIPTION	PRICE	AMOUNT
46 PL			
32 17H			
4-BR			
KT	Used empty drums		

REC'D. _____

EMPTY DRUM CERTIFICATION

I hereby certify that these drums are "empty" as that term is defined in the National Environmental Protection Agency regulations, 40 CFR 261.7*, and that they have been properly prepared for transportation under the regulations of the U.S. Department of Transportation, 49 CFR 173.29.**

Print Name Wayne RushingSignature Wayne Rushing

*With regard to most regulated residues, EPA's 40 CFR 261.7 says:

"A container... is empty if:

(I) All wastes have been removed that can be removed using the practices commonly employed to remove materials from that type of container, e.g., pouring, pumping, and aspirating.

and

(II) No more than 2.5 centimeters (one inch) of residue remain on the bottom of the container. . ."

EPA has explained this rule, saying that "one inch of waste material is an overriding constraint and may remain in an empty container only if it cannot be removed by normal means. The rationale for this provision is that there are certain tars and other extremely viscous materials that will remain in the container even after the container is emptied by normal means."

For residues of products specifically listed by name in 40 CFR 261.33(e), EPA says the container is empty only "if the container... has been triple-rinsed using a solvent capable of removing the product, or has been cleaned by another method shown to achieve equivalent removal."

**DOT's 49 CFR 173.29 says that all openings on the empty container must be closed, and that all markings and labels must be in place as if the drum were full of its original contents. A DOT shipping paper is not required for transportation of a drum for reconditioning via contract or private motor carrier. DOT placarding is not required for vehicles carrying empty containers.

"DEALER IN STEEL DRUMS"

877490474



RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

SPECIAL HANDLING MUNICIPAL WASTE

WASTE GENERATOR

RCC- 50024

NAME: NAPP CHEMICALS INC.

ADDRESS: 199 MAIN STREET

LODI

city

NJ

state

07644

zip

LOCATION: SAME

TELEPHONE: (201) 773-3900

CONTACT BOB LOWENSTEIN

BROKER/AGENT OF GENERATOR

NAME: REPUBLIC ENV SYS (PA), INC.

ADDRESS: 2869 SANDSTONE DRIVE

HATFIELD

city

PA

state

19440

zip

TELEPHONE: (215) 822-2676

CONTACT ROSS SNOOK

TRANSPORTER OF WASTE

NAME: REPUBLIC ENV SYS (TRANS GROUP), INC.

ADDRESS: 21 CHURCH ROAD

HATFIELD

city

PA

state

19440

zip

DATE: 8-22-95 TRUCK # 12

LICENSE # 1Y02291
1A44677

DRIVER SIGNATURE: Raph Bowers

DISPOSAL FACILITY

NAME: RESOURCE CONSERVATION CORP.

RECEIVED BY: _____

PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

W. Gaydarski
Operator's Signature

8/22/95
Date

395508 1/1

2337 North Penn Rd
Hatfield, Pa 19440

DATE OF PICKUP: _____ EPA IDENTIFICATION CODE NO. NJD001315282
GENERATOR NAPP CHEMICALS INC ADDRESS 199 MAIN STREET
CITY LODI STATE NJ ZIP 07644 PHONE 201 843-4664
FACT: BOB LOEWENSTEIN BROKER: _____

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit Wt./Vol.	Waste No.
	No.	Type			
NON DOT/RCRA HAZ DEBRIS NOT DOT REGULATED	XX1	DT	XXX28	Y	N/A

Additional Information/Lab Code DS38449 RSS-S0024 Emergency Phone# _____
c _____
d _____

CONTRACT/PO NO. _____	SPECIAL INSTRUCTIONS / REASONS FOR DELAY _____ _____ _____ _____ _____
NO. OF OVERPACKS USED _____	
START TIME _____	
ARRIVAL AT CUSTOMER _____	
DEPARTED CUSTOMER _____	
STAY TIME _____	

GENERATOR CERTIFICATION:
I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. I also certify that all times listed above are true and correct.
Print Name Al GAZDOLSKI Signature Al GAZDOLSKI Date 8/22/95

TRACTOR # _____	TRAILER# _____	BOX SPOTTED# _____	BOX PICKED UP# _____	LINER _____			
TRANSPORTER #1	PHONE NUMBER <u>215 822-8995</u>						
COMPANY <u>REPUBLIC ENV. SYS. (PA)</u>	EPA ID NO. <u>PAD085690592</u>						
PRINT NAME <u>Ralph Bowers</u>	SIGNATURE <u>Ralph Bowers</u>	DATE <u>8-22-95</u>					
TRANSPORTER #2	PHONE NUMBER <u>215 822-2676</u>						
COMPANY <u>REPUBLIC ENV SYS (TRANS GROUP)</u>	EPA ID NO. <u>PAD982661381</u>						
PRINT NAME _____	SIGNATURE _____	DATE _____					

SDOF ARRIVAL TIME _____	REASON FOR DELAY _____ _____ _____ _____
SDOF DEPARTURE TIME _____	
DELAY TIME _____	
FINISH TIME _____	

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. N/A
CONSIGNEE TO RESOURCE CONSERVATION CORP. ADDRESS SHADE TOWNSHIP WASTE MGT. FAC.
CITY CAIRNBROOK STATE PA ZIP 15924 PHONE 814 754-4587

THIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL
PRINT NAME _____ SIGNATURE _____ DATE _____



RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

SPECIAL HANDLING MUNICIPAL WASTE

WASTE GENERATOR

RCC: S0024

NAME: NAPP CHEMICALS INC.

ADDRESS: 199 MAIN STREET LODI NJ 07644

LOCATION: SAME

TELEPHONE: (201) 773-3900 CONTACT BOB LOWENSTEIN

BROKER/AGENT OF GENERATOR

NAME: REPUBLIC ENV SYS (PA), INC.

ADDRESS: 2869 SANDSTONE DRIVE HATFIELD PA 19440

TELEPHONE: (215) 822-2676 CONTACT ROSS SNOOK

TRANSPORTER OF WASTE

NAME: REPUBLIC ENV SYS (TRANS GROUP), INC.

ADDRESS: 21 CHURCH ROAD HATFIELD PA 19440

DATE: _____ TRUCK # 346 LICENSE # AA54064 PA.

DRIVER SIGNATURE: Harold Henningsen

DISPOSAL FACILITY

NAME: RESOURCE CONSERVATION CORP.

RECEIVED BY: _____ PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

Operator's Signature

Date

8/22/95

395510 1/1

2337 North Penn Rd
Hatfield, Pa 19440

DATE OF PICKUP _____ EPA IDENTIFICATION CODE NO. **NJD001315282**
GENERATOR **NAPP CHEMICALS INC** ADDRESS **199 MAIN STREET**
BY **LODI** STATE **NJ** ZIP **07644** PHONE **201 843-4664**
CONTACT: **BOB LOEWENSTEIN** BROKER: _____

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

NON DOT/RCRA HAZ DEBRIS NOT DOT REGULATED

Containers No.	Type	Total Quantity	Unit Wt./Vol.	Waste No.
xx1	DT	xx 40.	Y.P	N/A

Additional Information/Lab Code

DS38449 RSS-S0024

Emergency Phone#

CONTRACT/PO NO. _____

O. OF OVERPACKS USED _____

START TIME _____

ARRIVAL AT CUSTOMER _____

DEPARTED CUSTOMER _____

LAY TIME _____

SPECIAL INSTRUCTIONS / REASONS FOR DELAY _____

GENERATOR CERTIFICATION:

I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. I also certify that all times listed above are true and correct.

Print Name Al GAZDARSKI Signature Al GAZDARSKI Date 8/22/95TRACTOR # 346TRAILER# 2080

BOX SPOTTED# _____

BOX PICKED UP# _____

LINER _____

PHONE NUMBER 215 822-8995

TRANSPORTER #1

COMPANY REPUBLIC ENV. SYS. (PA)EPA ID NO. PAD085690592PRINT NAME HAROLD HENNINGERSIGNATURE Harold Henninger DATE 8-22-95

TRANSPORTER #2

COMPANY REPUBLIC ENV SYS (TRANS GROUP)PHONE NUMBER 215 822-2676EPA ID NO. PAD982661381

PRINT NAME _____

SIGNATURE _____

DATE _____

SDF ARRIVAL TIME _____

SDF DEPARTURE TIME _____

DELAY TIME _____

WISH TIME _____

REASON FOR DELAY _____

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. N/ACONSIGNEE TO RESOURCE CONSERVATION CORP.ADDRESS SHADE TOWNSHIP WASTE MGT. FAC.CITY CAIRNBROOKSTATE PAZIP 15924PHONE 814 754-4587

THIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

PRINT NAME [Signature]

SIGNATURE _____

DATE _____

No - GENERATOR FILE

e - TRANSPORTER FILE

en - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)

Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE

Goldenrod - TSD FACILITY COPY

DCR 01-208-F1
Rev. 8/85

877490478



RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid American Waste Systems of PA, Inc.

SPECIAL HANDLING MUNICIPAL WASTE

WASTE GENERATOR

RCC- 50024

NAME: MAPP CHEMICALS INC.

ADDRESS: 199 MAIN STREET LODI NJ 07644
city state zip

LOCATION: SAME

TELEPHONE: (201) 773-3900 CONTACT BOB LOWENSTEIN

BROKER/AGENT OF GENERATOR

NAME: REPUBLIC ENV SYS (PA), INC.

ADDRESS: 2869 SANDSTONE DRIVE HATFIELD PA 19440
city state zip

TELEPHONE: (215) 822-2676 CONTACT ROSS SNOOK

TRANSPORTER OF WASTE

NAME: REPUBLIC ENV SYS (TRANS GROUP), INC.

ADDRESS: 21 CHURCH ROAD HATFIELD PA 19440
city state zip

DATE: 8-22-95 TRUCK # 56 LICENSE # PHID P52914

DRIVER SIGNATURE: John Muzyl

DISPOSAL FACILITY

NAME: RESOURCE CONSERVATION CORP.

RECEIVED BY: _____ PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

Operator's Signature: W. Gajdalski

Date: 8/22/95

number 393509 1/1

2337 North Penn Rd
Hatfield, Pa 19440

DATE OF PICKUP 8-22-95 EPA IDENTIFICATION CODE NO. NJD001315282
GENERATOR NAPP CHEMICALS INC ADDRESS 199 MAIN STREET
LODI STATE NJ ZIP 07644 PHONE 201 843-4664
CONTACT: BOB LOEWENSTEIN BROKER:

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit WL/Vol	Waste No.
	No.	Type			
NON DOT/RCRA HAZ DEBRIS NOT DOT REGULATED	XX1	DT	XX205	YDS	N/A

Additional Information/Lab Code

DS38449 RSS-S0024

Emergency Phone#

NJ Decel # 18371

CONTRACT/PO NO. _____
NO. OF OVERPACKS USED _____
START TIME 500A
ARRIVAL AT CUSTOMER 700A
DEPARTED CUSTOMER _____
DAY TIME _____

SPECIAL INSTRUCTIONS / REASONS FOR DELAY
Line Make wait to load a night out & payment
Left job site at 9:55 A to my home

GENERATOR CERTIFICATION:

I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. I also certify that all times listed above are true and correct.

Print Name Al GAZDANSKI Signature Al GAZDANSKI Date 8-22-95

TRACTOR # 56 TRAILER# 2110 BOX SPOTTED# _____ BOX PICKED UP# _____ LINER 1
PHONE NUMBER 215 822-8995

TRANSPORTER #1
COMPANY REPUBLIC ENV. SYS. (PA) EPA ID NO. PAD085690592
PRINT NAME John Muzyk SIGNATURE John Muzyk DATE 8-22-95

TRANSPORTER #2
COMPANY REPUBLIC ENV SYS (TRANS GROUP) PHONE NUMBER 215 822-2676
EPA ID NO. PAD982661381
PRINT NAME _____ SIGNATURE _____ DATE _____

SDF ARRIVAL TIME _____ REASON FOR DELAY _____
SDF DEPARTURE TIME _____
DELAY TIME _____
FINISH TIME _____

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. N/A
CONSIGNEE RESOURCE CONSERVATION CORP. ADDRESS SHADE TOWNSHIP WASTE MGT. FAC.
CITY CAIRNBROOK STATE PA ZIP 15924 PHONE 814 754-4587

THIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL
PRINT NAME _____ SIGNATURE _____ DATE _____

1a - GENERATOR FILE
1b - TRANSPORTER FILE
1c - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)
Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE
Goldenrod - TSD FACILITY COPY

877490480

DCN: 01-208-F1
Rev. 6/95

877490481

BILL OF LADING

REPUBLIC ENVIRONMENTAL SYSTEMS

BL

3952511/1

DATE OF PICKUP 8/8/95 EPA IDENTIFICATION CODE NO. NJD001315282
 GENERATOR NAPP CHEMICALS INC ADDRESS 199 MAIN STREET
 CITY LODI STATE NJ ZIP 07644 PHONE 201 843-466
 CONTACT: BOB LOEWENSTEIN BROKER:

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit Wt./Vol.	Waste I
	No.	Type			
a. NON DOT/RCRA HAZ LIQUID NOT DOT REGULATED	12	DM	660	G	N/A
b. <u>NON DOT/RCRA HAZ Liquid</u>	2	DM	85	G	N/A
c.					
d.					

Additional Information/Lab Code

a WD38178 S01

Emergency Phone#

b LP38366

CONTRACT/PO NO.

H

OF OVERPACKS USED

RT TIME

ARRIVAL AT CUSTOMER

DEPARTED CUSTOMER

DELAY TIME

SPECIAL INSTRUCTIONS / REASONS FOR DELAY

GENERATOR CERTIFICATION:

"I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations." I also certify that all times listed above are true and correct.

Print Name Robert Loewenstein Signature Robert Loewenstein Date 8/8/95

TRACTOR # 33 TRAILER# 3110 BOX SPOTTED# BOX PICKED UP# LINER

TRANSPORTER #1 PHONE NUMBER 215 822-8995

COMPANY REPUBLIC ENV. SYS. (PA) EPA ID NO. PAD085690592

PRINT NAME David Charlesworth SIGNATURE David Charlesworth DATE 8/8/95

TRANSPORTER #2 PHONE NUMBER 215 822-2676

COMPANY REPUBLIC ENV SYS (TRANS GROUP) EPA ID NO. PAD982661381

PRINT NAME SIGNATURE DATE

TSDF ARRIVAL TIME REASON FOR DELAY

TSDF DEPARTURE TIME

DELAY TIME

FINISH TIME

SIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. PAD085690592

SHIPPED TO REPUBLIC ENV SYS (PA), INC. ADDRESS 2869 SANDSTONE DRIVE

BATFIELD STATE PA ZIP 19440 PHONE 215 822-8995

TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

PRINT NAME SIGNATURE DATE

White - GENERATOR FILE
 Blue - TRANSPORTER FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)
 Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES

INSTRUCTIONS FOR COMPLETION OF THE PAEHAZAR Form are located on the back of this official Pennsylvania Manifest Form. Form approved by the Department of Environmental Resources, Harrisburg, PA 17103-0001. Form No. 8700-22 (Rev. 9/88) Previous editions are obsolete.

UNIFORM HAZARDOUS WASTE MANIFEST

Generator's Name and Mailing Address: **PAE CHEMICALS, INC.**
199 MAIN STREET P O BOX 500
LODI NJ 07644
201 843-4664

Transporter 1 Company Name: **REPUBLIC ENV. SYS. (PA)**
 US EPA ID Number: **PA D 0 8 5 6 9 0 5 9 2**

Transporter 2 Company Name: **REPUBLIC ENV. SYS. (TRANS. GROUP)**
 US EPA ID Number: **PA D 9 8 2 6 6 1 3 8 1**

Designated Facility Name and Site Address: **REPUBLIC ENV. SYS. (PA), INC.**
2869 SANDSTONE DRIVE
HATFIELD PA 19440
 US EPA ID Number: **PA D 0 8 5 6 9 0 5 9 2**

2. Page 1 of 4
 Information within the blue border is not required by Federal law but is required by State law.
 A. State Manifest Document Number: **PAE 4251284**
 B. State Gen. ID: **PAE**
 C. State Trans. ID: **PA-AH 506209**
 D. Transporter's Phone: **215 822-8995**
 E. State Trans. ID: **PA-AH 0317**
 F. Transporter's Phone: **215 822-2676**
 G. State Facility's ID:
 H. Facility's Phone: **215 822-8995**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste No.
	No.	Type			
NON DOT/RCRA HAZ LIQUID, NOT DOT REGULATED	12	DM	660	G	N/A
NON DOT/RCRA HAZ LIQUID, NOT DOT REGULATED	2	DM	85	G	N/A

J. Additional Descriptions for Materials Listed Above				K. Handling Codes for Wastes Listed Above			
Lab Pack	Physical State	Lab Pack	Physical State	a. S01	b.	c.	d.
<input type="checkbox"/>	WD38178	<input type="checkbox"/>					
<input type="checkbox"/>	LK38366	<input type="checkbox"/>					

18. Special Handling Instructions and Additional Information: **EMERGENCY PHONE 201 773-3900**

Decal: **TRAC 64647 Trl. 64805**

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **Robert Loewenstein** Signature: **Robert Loewenstein** MONTH DAY YEAR: **08 08 95**
 Printed/Typed Name: **David Charlesworth** Signature: **David Charlesworth** MONTH DAY YEAR: **08 08 95**
 Printed/Typed Name: Signature: MONTH DAY YEAR:

18. Discrepancy Indication Space:

Facility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 18.
 Printed/Typed Name: Signature: MONTH DAY YEAR:

NAPP TECHNOLOGIES

EPA ID# NJD001315282

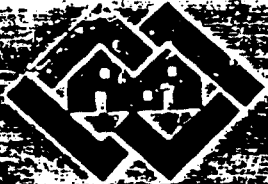
DATE	DESCRIPTION	QTY.	WASTE ID	MANIFEST
26-May-95	Isopropyl Alcohol	440 Gals.	D001	PAE4240810
	Nitric Acid	385 Gals.	D002	
26-May-95	Non DOT/RCRA Haz Sludge	8,500 Lbs.	N/A	PAE4240946
24-May-95	Non DOT/Non RCRA Material	1,336 Gals.	X900	NJA 210232
22-May-95	Non DOT/Non RCRA Material	20 Gals.		NJA 216106
	Non DOT/Not RCRA Material	20 Gals.		NJA2161067
19-May-95	Non DOT/Non RCRA Material	20 Gals.		NJA216107
	Non DOT/Non RCRA Material	20 Gals.		NJA2161072
	Non DOT/Non RCRA Material	20 Gals.		NJA2161070
	Non DOT/Non RCRA Material	20 Gals.		NJA2161068
17-May-95	Non DOT/Non RCRA Material	3,200 Gals.	X900	NJA1772288
18-May-95	Non DOT/Non RCRA Material	30 Gals.	X900	NJA2102321
	Non DOT/Non RCRA Material	3,200 Gals.	X900	NJA2102322
17-May-95	Non DOT/Non RCRA Material	3,200 Gals.	X900	NJA1772288
	Methoxypropylamine	2 Lbs.	D001	PAE182855
	Hydrochloric Acid, Acetic Acid	10 Lbs.	D002	
	Alkaline Liquids	21 Lbs.	D002	
	Ammonium Hydroxide, Potassium Hydroxide	93 Lbs.	D002	
	Dimethylformamide	55 Gals.	D001	PAE182842
	Heptane	55 Gals.	D001	
16-May-95	Nitric Acid	200 Lbs.	D002	PAE4138810
	Acetonitrile	200 Lbs.	U003	
	Sodium Hydroxide	55 Gals.	D002	
	Pyridine	800 Lbs.	U196	
	Non DOT/RCRA Liquid	55 Gals.	N/A	PAE413882
	Non DOT/RCRA Liquid	165 Gals.	N/A	
	Non DOT/RCRA Liquid	200 Gals.	N/A	
	Sodium Hydrosulfite	100 Lbs.	D003	PAE135563
	Waste Aerosols	150 Lbs.	D001	PAE182998
	Toluene, Dimethyl Formamde	55 Lbs.	D001	
	Sodium Methylate	2 Lbs.	D003	
	Potassium Iodate, Calcium Hypochlorite	33 Lbs.	D001	
15-May-95	Chloroform, Isopropanol	136 Lbs.	D022	PAE182857
	Chloroform, Methanol	150 Lbs.	U044	
	Furfural	1 Lbs.	D001	
	Chlorotrimethyl Silone, Methyl Chloroform	1 Lbs.	D001	
	Hydrochloric Acid	17 Lbs.	D002	

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	Ammonia Solutions	24 Lbs.	D002	
	Nitrobenzene	8 Lbs.	U169	
	Non DOT/Non RCRA	18 Lbs.	N/A	
	Non DOT/Non RCRA	45 Lbs.	N/A	
	Non DOT/Non RCRA	150 Lbs.	N/A	
	Acetic Acid, Methanol	62 Lbs.	D002	
	Bismuth Nitrate, Calcium Hydrochlorite	1 Lbs.	D001	
	Zinc Peroxide, Barium Peroxide	53 Lbs.	D001	
	Lead Perchlorate, Potassium Dichromate	1 Lbs.	D005	
	Hydrogen Peroxide	3 Lbs.	D001	
	Mercuric Iodide, Sodium Hydroxide	2 Lbs.	D009	
	Formic Acid	1 Lbs.	D002	
	Nitric Acid	11 Lbs.	D002	
	Cinnamic Aldehyde	35 Gals.	D001	PAE4138444
	Potassium Hydroxide	30 Gals.	D002	
	Sodium Hydroxide	60 Gals.	D002	
	Triethylamine	30 Gals.	D001	
	Nitric Acid	0	D002	PAE4138330
	Hydrosulfite	0	D003	
	Sodium Hydroxide	110 Gals.	D002	
	Non DOT/RCRA Liquid	120 Gals.	N/A	
	Triethylamine	30 Gals.	D001	PAE0582352
12-May-95	Acetone, Methanol	173 Lbs.	D001	PAE1355734
	Benzene, Cyclohexane	133 Lbs.	D001	
	Methanol Borontrifluoride	1 Lbs.	D001	
	Ethylene Diamine, Diethylamine	7 Lbs.	D001	
	Chloroform Methanol	84 Lbs.	D001	
	Dioxane Tetrahydrofuran	24 Lbs.	D001	
	Silver Nitrate, Lead Nitrate	50 Lbs.	D001	
	Perchloric Acid	4 Lbs.	D001	
	Organic Peroxide	1 Lbs.	D001	
	Selenium Powder, Zinc Metal	6 Lbs.	D010	
	Picric Acid	40 Lbs.	D001	
	Arsenic Trioxide	1 Lb.	D004	
	Dinitrophenol, Nitroaniline	3 Lbs.	P048	
	Mercuric Chloride	3 Lbs.	D009	
	Sulfuric Acid, Hydrochloric Acid	71 Lbs.	D002	
	Perium, Sodium Hydroxide	2 Lbs.	D002	
	Chromium Barium	400 Lbs.	D011	

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	Phosphorus Pentoxide	3 Lbs.	D003	
	Chloroform, Formaldehyde	50 Lbs.	U211	
	Thinacetaunite	150 Lbs.	D002	
	Non DOT/RCRA Solid	50 Lbs.	N/A	
10-May-95	Isopropyl Alcohol, Methanol	4,800 Gals.	D001	PAE4137324
09-May-95	Lubricating & Quenching Oils	1,500 Gals.	X72	NJA2078294
	Waste Acetone	165 Gals.	F003	PAE4137136
	Waste Acetone	4,675 Gals.	F003	
	Isopropyl Alcohol/Methanol	5,148 Gals.	D001	PAE4136602
	Isopropyl Alcohol/Methanol	4,897 Gals.	D001	PAE4136532
27-Jun-95	Bismuth Subnitrate, Powder	1,000 Lbs.	D001	PAE4245216
	Non DOT/RCRA Solid	0	N/A	
	Non DOT/RCRA Liquid	220 Gals.	X726	
05-Jun-95	Non DOT/RCRA Solids	20 Yds.	N/A	NJD9866099
28-Jul-95	Methanol/ Isopropal Alcohol	15 Gals.	F003	PAE4249921
	Non DOT/RCRA Solid	300 Gals.	N/A	
	Non DOT/RCRA Liquid	55 Gals.	N/A	PAE424976
26-Jul-95	Non DOT/RCRA Liquid	25 Yds.	N/A	NJA2171152
07-Jul-95	Sodium Hydrosulfite	300 Lbs.	D003	PAE4246804
	Non DOT/RCRA Liquid	450 Lbs.	N/A	
	Sodium Hydrosulfite	200 Lbs.	D003	
29-Jun-95	Methanol, Sodium Hydroxide	55 Gals.	D001	PAE4245570
	NON DOT/RCRA Liquid	220 Gals.	N/A	
	Hydrochloric Acid	330 Gals.	D002	PAE4245651
	Sodium Hydroxide	615 Gals.	D002	PAE4245636
	Non DOT/RCRA Liquid	110 Gals.	X726	
14-Jul-95	Hydrochloric Acid	1,809 Gals.	D002	NJA2004898



RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY

A wholly owned subsidiary of Mid-America Waste Systems Co. (PA) Inc.

SPECIAL HANDLING MUNICIPAL WASTE

WASTE GENERATOR

RCC: 50024

NAME: NAPP CHEMICALS INC.

ADDRESS: 199 MAIN STREET LODI NJ 07644
city state zip

LOCATION: SAME

TELEPHONE: (201) 773-3900 CONTACT BOB LOWENSTEIN

BROKER/AGENT OF GENERATOR

NAME: REPUBLIC ENV SYS (PA), INC.

ADDRESS: 2869 SANDSTONE DRIVE HATFIELD PA 19440
city state zip

TELEPHONE: (215) 822-8995 CONTACT ROSS SNOOK

TRANSPORTER OF WASTE

NAME: REPUBLIC ENV SYS
ADDRESS: HATFIELD PA 19440
city state zip

DATE: 8-21-95 TRUCK # 862 LICENSE # PA 53377

DRIVER SIGNATURE: [Signature]

DISPOSAL FACILITY

NAME: RESOURCE CONSERVATION CORP.

RECEIVED BY: _____

PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

Al Gajdalski
Operator's Signature

8/23/95
Date

Number **395511 1/1**

2337 North Penn Rd
Hatfield, Pa 19440

DATE OF PICKUP _____ EPA IDENTIFICATION CODE NO. **NJD001315282**
GENERATOR **NAPP CHEMICALS INC** ADDRESS **199 MAIN STREET**
CITY **LODI** STATE **NJ** ZIP **07644** PHONE **201 843-466**
TACT: **BOB LOEWENSTEIN** BROKER: _____

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

	Containers		Total Quantity	Unit Wt./Vol.	Waste
	No.	Type			
a. NON DOT/RCRA HAZ DEBRIS NOT DOT REGULATED	001	DT	XXX 20	Y	N/A
b.					
c.					
d.					

Additional Information/Lab Code

a. **DS38449 RSS-S0024**

Emergency Phone#

CONTRACT/PO NO. _____

NO. OF OVERPACKS USED _____

START TIME _____

ARRIVAL AT CUSTOMER _____

DEPARTED CUSTOMER _____

DELAY TIME _____

SPECIAL INSTRUCTIONS / REASONS FOR DELAY _____

GENERATOR CERTIFICATION:

I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. I also certify that all times listed above are true and correct.

Print Name **X Al Gazdalski** Signature **X Al Gazdalski** Date **8-23-95**

TRACTOR # **862** TRAILER# **2350** BOX SPOTTED# _____ BOX PICKED UP# _____ LINER _____

TRANSPORTER #1 _____ PHONE NUMBER _____

COMPANY **X DeCasy** EPA ID NO. _____

PRINT NAME _____ SIGNATURE _____ DATE **8-23-95**

TRANSPORTER #2 _____ PHONE NUMBER _____

COMPANY _____ EPA ID NO. _____

PRINT NAME _____ SIGNATURE _____ DATE _____

TSDF ARRIVAL TIME _____ REASON FOR DELAY _____

TSDF DEPARTURE TIME _____

DELAY TIME _____

FINISH TIME _____

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. **N/A**

CONSIGNED TO **RESOURCE CONSERVATION CORP.** ADDRESS **SHADE TOWNSHIP WASTE MGT. FAC.**

CITY **CAIRNBROOK** STATE **PA** ZIP **15924** PHONE **814 754-4587**

THIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

T NAME _____ SIGNATURE _____ DATE _____

W. - GENERATOR FILE
Blue - TRANSPORTER FILE
Green - REPUBLIC (PA) DOCUMENT DEPARTMENT FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)
Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE
Goldenrod - TSD FACILITY COPY

DCM: 01-
Rev. 6/94

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877490488

BILL OF LADING

REPUBLIC ENVIRONMENTAL SYSTEMS

2337 North Penn Rd
Hatfield, Pa 19440

Number 395512 1/1

DATE OF PICKUP 8/25/95 EPA IDENTIFICATION CODE NO. NJD001315282
 GENERATOR NAPP CHEMICALS INC ADDRESS 199 MAIN STREET
 CITY LODI STATE NJ ZIP 07644 PHONE 201-843-4664
 CONTACT: BOB LOEWENSTEIN BROKER:

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit Wt/Vol	Waste No.
	No.	Type			
NON DOT/RCRA HAZ DEBRIS NOT DOT REGULATED	1	DT	20	Y	N/A

Additional Information/Lab Code

DS38449 RSS-S0024

Emergency Phone#

CONTRACT/PO NO.

NO. OF OVERPACKS USED

ART TIME

IVAL AT CUSTOMER

EARTED CUSTOMER

ELAY TIME

SPECIAL INSTRUCTIONS / REASONS FOR DELAY

GENERATOR CERTIFICATION:

I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. I also certify that all times listed above are true and correct.

Print Name Robert Loewenstein Signature Robert Loewenstein Date 8/25/95

TRACTOR # 33 TRAILER# 2020 BOX SPOTTED# BOX PICKED UP# LINER

TRANSPORTER # Republic Env. Sys. PHONE NUMBER 215-882-9669

COMPANY D.L. Charlesworth EPA ID NO. PADO65690592

PRINT NAME D.L. Charlesworth SIGNATURE D.L. Charlesworth DATE 8/25/95

TRANSPORTER #2 PHONE NUMBER

COMPANY EPA ID NO.

PRINT NAME SIGNATURE DATE

SOFT ARRIVAL TIME REASON FOR DELAY

SOFT DEPARTURE TIME

DELAY TIME

WISH TIME

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. N/A

ASSIGNED TO RESOURCE CONSERVATION CORP. ADDRESS SHADE TOWNSHIP WASTE MGT. FAC.

CAIRNBROOK STATE PA ZIP 15924 PHONE 814 754-4587

THIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

PRINT NAME SIGNATURE DATE

ite - GENERATOR FILE

e - TRANSPORTER FILE

REPUBLIC ENVIRONMENTAL SYSTEMS

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)

Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE

Goldenrod - TSD FACILITY COPY

DCN: 01-206-1



Nº 2514

**RESOURCE CONSERVATION CORP.
SHADE TOWNSHIP WASTE MANAGEMENT FACILITY**

A wholly owned subsidiary of Mid-American Waste Systems of PA, Inc.

SPECIAL HANDLING MUNICIPAL WASTE**WASTE GENERATOR**RCC- 50024NAME: NAPP CHEMICALS INC.ADDRESS: 199 MAIN STREET LODI NJ 07644
city state zipLOCATION: SAMETELEPHONE: (201) 773-3900 CONTACT BOB LOWENSTEIN**BROKER/AGENT OF GENERATOR**NAME: REPUBLIC ENV SYS (PA), INC.ADDRESS: 2869 SANDSTONE DRIVE HATFIELD PA 19440
city state zipTELEPHONE: (215) 822-8995 CONTACT ROSS SNOOK**TRANSPORTER OF WASTE**NAME: Republic ENV. Sys.ADDRESS: 2337 North Perry Hatfield Pa 19440
city state zipDATE: 8/25/95 TRUCK # 33 LICENSE # AA57273DRIVER SIGNATURE: [Signature]**DISPOSAL FACILITY**NAME: RESOURCE CONSERVATION CORP.RECEIVED BY: _____ PERMIT #: 101421

Operator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable International and government regulations.

Operator's Signature _____

Date _____

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES

UNIFORM HAZARDOUS WASTE MANIFEST FORM FOR COMPLETION OF THE BY THE STATE OF PENNSYLVANIA
 HAZARDOUS WASTE MANAGEMENT
 HAZARDOUS WASTE MANIFEST FORM
 HAZARDOUS WASTE MANIFEST FORM

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's Name and Mailing Address: **N.J.D. 001315282, 186546**

2. State: **PA**

3. EPA ID Number: **PAE 4386546**

4. State Gen. ID: **PA-AH**

5. State Trans. ID: **PA-AH**

6. Transporter's Name: **REPUBLIC ENV. SYS. (PA)**

7. Transporter's EPA ID Number: **PA 085690592**

8. Designated Facility Name and Site Address: **REPUBLIC ENV SYS (TRANS GROUP), 2869 SANDSTONE DRIVE, HATFIELD PA 19440**

9. Facility's EPA ID Number: **PA 085690592**

10. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number): **RQ WASTE SODIUM METHYLATE, 4.2, UN1431, PG II, (D003), DANGEROUS WHEN WET**

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number): **RQ WASTE PAINT RELATED MATERIAL, 3, UN1263, PG II, (D001)**

12. Containers: **001 DM 00.500 P D003**

13. Total Quantity: **005 DM 01500 -B D001**

14. Unit Wt/Vol: **005 DM 01500 -B D001**

15. Waste No.: **005 DM 01500 -B D001**

16. Generator's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

17. Transporter's 1 Acknowledgment of Receipt of Materials: **Keith Terranco**

18. Transporter's 2 Acknowledgment of Receipt of Materials: **John T. Schaffer**

19. Facility's Acknowledgment of Receipt of Materials: **John T. Schaffer**

20. Discrepancy Indication Space

21. Facility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

EMERGENCY PHONE 201-843-4664

Decal-64771

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

17. Transporter's 1 Acknowledgment of Receipt of Materials: **Keith Terranco**

18. Transporter's 2 Acknowledgment of Receipt of Materials: **John T. Schaffer**

19. Facility's Acknowledgment of Receipt of Materials: **John T. Schaffer**

20. Discrepancy Indication Space

21. Facility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES

Bureau of Waste Management
P.O. Box 1550
Harrisburg, PA 17105-0550

REVISED 10/94

OFFICIAL PENNSYLVANIA HAZARDOUS WASTE MANIFEST FORM

Page 1 of 1
This manifest must be completed in duplicate and retained for three years.

A. State Manifest Document Number
PAE 4386613

B. State Gen. ID. Number
PAE 06209

C. State Trans. ID.
PA-AH 0317

D. Transporter's Phone
215 822-89

E. State Trans. ID.
PA-AH 0317

F. Transporter's Phone
215 822-26

G. State Facility's ID
PA-AH 0317

H. Facility's Phone
215 822-8995

UNIFORM HAZARDOUS WASTE MANIFEST

Generator's Name and Mailing Address
**SNAPP CHEMICALS INC
199 MAIN STREET P.O. BOX 1900
LODI NJ 07644**

Transporter 1 Company Name
REPUBLIC ENV. SYS. (PA)

Transporter 2 Company Name
REPUBLIC ENV SYS (TRANS GROUP)

Designated Facility Name and Site Address
**REPUBLIC ENV SYS (PA), INC.
2869 SANDSTONE DRIVE
HATFIELD PA 19440**

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

**RQ WASTE ALCOHOLS, N.O.S., 3, UN1987, PG II,
(METHANOL, ISOPROPYL ALCOHOL), (F003)***

NON DOT/RCRA HAZ SOLID, NOT DOT REGULATED, (X725)

NON DOT/RCRA HAZ SLUDGE, NOT DOT REGULATED

NON DOT/RCRA HAZ SLUDGE, NOT DOT REGULATED

NON DOT/RCRA HAZ SLUDGE, NOT DOT REGULATED

NON DOT/RCRA HAZ SLUDGE, NOT DOT REGULATED

Additional Descriptions for Materials Listed Above

Lab Pack Physical State Lab Pack Physical State
a. [] [L] AD38234 c. [] [S] WD12593

b. [] [S] WD23326 d. [] [] []

Special Handling Instructions and Additional Information

11A- D001

Haz Decal - 64771

Solid - 18386

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulation.

Printed/Typed Name **Keith Terrance** Signature **Keith Terrance** MONTH **10** DAY **9** YEAR **1995**

Printed/Typed Name **John T. Schaffler** Signature **John T. Schaffler** MONTH **10** DAY **9** YEAR **1995**

Printed/Typed Name **K** Signature **K** MONTH **10** DAY **9** YEAR **1995**

19. Discrepancy Indication Space

Facility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name Signature MONTH DAY

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

877490492

BILL OF LADING

REPUBLIC ENVIRONMENTAL SYSTEMS

2337 North Penn Rd
Hatfield, Pa 19440

Order 397184 2/2

DATE OF PICKUP 10/30/95 EPA IDENTIFICATION CODE NO. NJD001315282
GENERATOR NAPP CHEMICALS INC ADDRESS 199 MAIN STREET
BY LODI STATE NJ ZIP 07644 PHONE 201 843-4664
CONTACT: BOB LOEWENSTEIN BROKER:

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit WL/Vol	Waste No.
	No.	Type			
NON DOT/RCRA HAZ SOLID NOT DOT REGULATED	<u>X8</u>	<u>DM</u>	<u>X2800</u>	<u>P</u>	<u>X725</u>
NON DOT HAZ SOLID NOT DOT REGULATED	<u>X2</u>	<u>DM</u>	<u>XX300</u>	<u>P</u>	<u>N/A</u>

Additional Information: Lab Code

WD23326

SQ1

Emergency Phone#

WD34108

SQ1

TRACT: PO NO. _____ SPECIAL INSTRUCTIONS - REASONS FOR DELAY _____
OF OVERPACKS USED _____
PART TIME 11:00
ARRIVAL AT CUSTOMER 11:30
DEPARTED CUSTOMER _____
DELAY TIME _____

GENERATOR CERTIFICATION:

I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. I also certify that all times listed above are true and correct.

Print Name X Al GAZDARSKI Signature X Al GAZDARSKI Date 10/30/95

TRACTOR # 55 TRAILER # 3180 BOX SPOTTED# - BOX PICKED UP# - LINER -

TRANSPORTER #1
COMPANY REPUBLIC ENV. SYS (PA)
PRINT NAME Vincent Marante SIGNATURE Vincent Marante DATE 10/30/95
EPA ID NO. PAD085690592
PHONE NUMBER 215 822-8995

TRANSPORTER #2
COMPANY REPUBLIC ENV SYS (TRANS GROUP)
PRINT NAME _____ SIGNATURE _____ DATE _____
EPA ID NO. PAD982661381
PHONE NUMBER 215 822-2676

TSDF ARRIVAL TIME _____ REASON FOR DELAY _____
TSDF DEPARTURE TIME _____
DELAY TIME _____
FINISH TIME _____

CONSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. PAD085690592
CONSIGNED TO REPUBLIC ENV SYS (PA), INC. ADDRESS 2869 SANDSTONE DRIVE
CITY HATFIELD STATE PA ZIP 19440 PHONE 215 822-8995

THIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

PRINT NAME _____ SIGNATURE _____ DATE _____



PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P.O. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

877490493

ER-WM-51 REV. 10/94

Form approved
OMB No. 2
Expires 9-3

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	2. Page 1 of	Information within the blue border required by Federal law but may be required by State law.
NJ D 001315282		192883	1	
3. Generator's Name and Mailing Address NAPP CHEMICALS INC 199 MAIN STREET P O BOX 900 LODI NJ 07644 201 843-4664		6. US EPA ID Number P A D 0 8 5 6 9 0 5 9 2	A. State Manifest Document Number PAE 4392383	B. State Gen. ID SAME
5. Transporter 1 Company Name REPUBLIC ENV. SYS. (PA)		8. US EPA ID Number P A D 9 8 2 6 6 1 3 8 1	C. State Trans. ID PA-AH 506201	D. Transporter's Phone 215 822-8995
7. Transporter 2 Company Name REPUBLIC ENV SYS (TRANS GROUP)		10. US EPA ID Number P A D 0 8 5 6 9 0 5 9 2	E. State Trans. ID PA-AH 0317	F. Transporter's Phone 215 822-21
9. Designated Facility Name and Site Address REPUBLIC ENV SYS (PA), INC. 2869 SANDSTONE DRIVE HATFIELD PA 19440			G. State Facility's ID	H. Facility's Phone 215 822-8995
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers	13. Total Quantity	14. Unit
a. RQ WASTE AMMONIA SOLUTIONS, 8, UN2672, PG III, (D002)		XX1 DM	XX55	G D O
b. RQ WASTE HYDROCHLORIC ACID, SOLUTION, 8, UN1789, PG III, (D002)		XX1 DM	XX20	G D O
c. NON DOT/RCRA HAZ LIQUID, NOT DOT REGULATED, (X726)		XX1 DM	XX55	G X 7
d. NON DOT/RCRA HAZ SLUDGE, NOT DOT REGULATED		XX2 DM	X 400	P N 1
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above		
Lab Pack	Physical State	Lab Pack	Physical State	
a. <input type="checkbox"/>	<input type="checkbox"/> AD38230	c. <input type="checkbox"/>	<input type="checkbox"/> WD38616	a. S01 c. S01
b. <input type="checkbox"/>	<input type="checkbox"/> WD38642	d. <input type="checkbox"/>	<input type="checkbox"/> WD12593	b. S01 d. S01
15. Special Handling Instructions and Additional Information EMERGENCY PHONE 201-843-				
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulation. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is to me and that I can afford.				
Printed/Typed Name AI GAZDALSKI		Signature AI GAZDALSKI		MONTH DAY 10/30
Printed/Typed Name Vincent Murant		Signature Vincent Murant		MONTH DAY 10/30
Printed/Typed Name		Signature		MONTH DAY
19. Discrepancy Indication Space				
20. Facility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 18.				
Printed/Typed Name		Signature		MONTH DAY

877490494

BILL OF LADING

REPUBLIC ENVIRONMENTAL SYSTEMS

2337 North Penn Rd
Hatfield, Pa 19440

ber 397183 1/2

DATE OF PICKUP 10/30/95 EPA IDENTIFICATION CODE NO. NJD001315282
 GENERATOR NAPP CHEMICALS INC ADDRESS 199 MAIN STREET
 CITY LODI STATE NJ ZIP 07644 PHONE 201 843-4664
 CONTACT: BOB LOEWENSTEIN BROKER:

US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	Containers		Total Quantity	Unit WL/Vol.	Waste No.
	No.	Type			
RQ WASTE AMMONIA SOLUTIONS, 8, UN2672, PG III	XXI	DM	XX 55	G	D 0 0 2
RQ WASTE HYDROCHLORIC ACID, SOLUTION, 8, UN1789, PG III	XXI	DM	XX 20	G	D 0 0 2
NON DOT/RCRA HAZ LIQUID NOT DOT REGULATED	XXI	DM	XX 55	G	X 7 2 6
NON DOT/RCRA HAZ SLUDGE NOT DOT REGULATED	XD	DM	XX 400	P	N / A

Additional Information/Lab Code

Emergency Phone#

AD38230

S01

c WD38616

S01

WD38642

S01

d WD12593

S01

CONTRACT-PO NO.

H

OF OVERPACKS USED

ART TIME

ARRIVAL AT CUSTOMER

DEPARTED CUSTOMER

DELAY TIME

SPECIAL INSTRUCTIONS / REASONS FOR DELAY

GENERATOR CERTIFICATION:

I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. I also certify that all times listed above are true and correct.

Print Name

XAI GAZOLASKI

Signature

XAI GAZOLASKI

Date

10/30/95

TRACTOR #

55

TRAILER#

31801

BOX SPOTTED#

BOX PICKED UP#

LINER

TRANSPORTER #1

COMPANY REPUBLIC ENV. SYS. (PA)PHONE NUMBER 215 822-8995

PRINT NAME

Vincent Murante

SIGNATURE

Vincent Murante

DATE

10/30/95

TRANSPORTER #2

COMPANY REPUBLIC ENV SYS (TRANS GROUP)PHONE NUMBER 215 822-2676

PRINT NAME

SIGNATURE

DATE

SDF ARRIVAL TIME

REASON FOR DELAY

SDF DEPARTURE TIME

DELAY TIME

FINISH TIME

NSIGNEE/TREATMENT/STORAGE/DISPOSAL FACILITY EPA IDENTIFICATION CODE NO. PAD085690592ONSIGNED TO REPUBLIC ENV SYS (PA), INC.ADDRESS 2869 SANDSTONE DRIVECITY HATFIELDSTATE PAZIP 19440PHONE 215 822-8995

THIS IS TO CERTIFY THE ACCEPTANCE OF THIS WASTE FOR TREATMENT STORAGE DISPOSAL

PRINT NAME

SIGNATURE

DATE

10 - GENERATOR FILE
 11 - TRANSPORTER FILE

Yellow - REPUBLIC (PA) BILLING DEPARTMENT (RETURN TO GENERATOR)
 Pink - REPUBLIC (PA) BILLING DEPARTMENT FILE

RPN-01-006



PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES
Bureau of Waste Management
P.O. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

ER-WM-51 REV. 10/94

Form approved
OMB No. 20
Expires 9-30

In case of an emergency or spill immediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NJ D 001315282		Manifest No. 92894		2. Page 1 of 1		Information within the blue border required by Federal law but may be required by State law.											
Generator's Name and Mailing Address NAPP CHEMICALS INC 199 MAIN STREET P O BOX 900 LODI NJ 07644 201 843-4664						A. State Manifest Document Number PAE 4392894													
B. State Gen. ID SAME						C. State Trans. ID PA-AH 506205													
6. US EPA ID Number REPUBLIC ENV. SYS. (PA) PAD085690592						D. Transporter's Phone (215 822-895													
7. Transporter 2 Company Name REPUBLIC ENV SYS (TRANS GROUP) PAD982661381						E. State Trans. ID PA-AH 0317													
9. Designated Facility Name and Site Address REPUBLIC ENV SYS (PA), INC. 2869 SANDSTONE DRIVE HATFIELD PA 19440 PAD085690592						F. Transporter's Phone (215 822-26													
10. US EPA ID Number						G. State Facility's ID													
H. Facility's Phone (215 822-8995						12. Containers													
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)						No.		Type		13. Total Quantity		14. Unit Wt/Vol		15. Wash					
a. NON DOT/RCRA HAZ SOLID, NOT DOT REGULATED, (X725)						X 8		D M		X 2800		P X 7							
b. NON DOT HAZ SOLID, NOT DOT REGULATED						X 2		D M		XX 300		P N /							
c.																			
d.																			
Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above													
Lab Pack		Physical State		Lab Pack		Physical State		a. S01		c.									
a. <input type="checkbox"/>		E WD23326		c. <input type="checkbox"/>				b. S01		d.									
b. <input type="checkbox"/>		E WD34108		d. <input type="checkbox"/>															
15. Special Handling Instructions and Additional Information						EMERGENCY PHONE 800-843-1													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national government regulation. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is to me and that I can afford.						Printed/Typed Name X Al Gazdalski						Signature X Al Gazdalski						MONTH DAY 10 30	
17. Transporter 1 Acknowledgment of Receipt of Materials						Printed/Typed Name Vincent Murant						Signature Vincent Murant						MONTH DAY 11 30	
18. Transporter 2 Acknowledgment of Receipt of Materials						Printed/Typed Name						Signature						MONTH DAY	
19. Discrepancy Indication Space																			
20. Facility owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 15.						Printed/Typed Name						Signature						MONTH DAY	



LAND DISPOSAL RESTRICTION NOTIFICATION CERTIFICATION FORM

Generator Name: NAPP CHEMICALS INC Generator EPA ID Number: NJD001315282
Manifest Number: PAE4392883

The purpose of this form is to provide appropriate notification/certification, in accordance with the Land Disposal Restriction regulations set forth in 40 CFR Part 268, to the treatment, storage or disposal facility which receives the wastes referenced below. In accordance with the waste analysis and recordkeeping requirements specified in 40 CFR 268.7, I have indicated below the relevant information required to properly manage my waste(s) in compliance with the Land Disposal Restriction treatment standards found in 40 CFR 268 and any applicable prohibition levels set forth in 40 CFR 268.32 or RCRA section 3004(d).

Approval/Lab Code: AD38230 Waste Water: N Non Waste Water: Y UHC's: Y Class Group: A

Waste Codes: D002

Sub Categories:

IRRORISIVE CHARACTERISTIC WASTES, CWA, CWA-EQUIVALENT, OR CLASS I SDWA SYSTEMS

Constituent(s):

0 UHC'S IN WASTE

Approval/Lab Code: WD38642 Waste Water: N Non Waste Water: Y UHC's: Y Class Group: A

Waste Codes: D002

Sub Categories:

IRRORISIVE CHARACTERISTIC WASTES, CWA, CWA-EQUIVALENT, OR CLASS I SDWA SYSTEMS

Constituent(s):

0 UHC'S IN WASTE

See back for descriptions of classification groups and classification group certification statement.

I hereby certify that I believe that the information submitted herein is true, accurate and complete.

Signature: Al Saydah Title: QC Date: 10/30/95

Partial Inventory
April 27, 1995

Courtvard

Transporter

4/28 7 Nitrogen Cylinders

MG Gas Co.

4/28 1 Acetic Acid Drum Lot 5672

Kramer

1 Nitric Acid Lot 5443

Brown

11 drums 4/28/95 11 drums of 8-Hydroxyquinoline Base Lot 5636

Presidential

4 drums of Sodium Tribromophenol Solution Not assigned

16 drums of TMT mother liquor

Republic

1 drum of MPG slime Lot LG935985

Republic

17 drums of CMT gran. Lot LD924362

Republic

1 drum Sodium Hypochlorite

Brown

Partial Inventory
April 27, 1995

Manufacturing #3 & #5

Transporter

1 drum of 15% Sodium Hypochlorite Brown

NA 1 drum of Sodium Hydroxide for sewer treatment Kramer

2 drums of Bismuth Tribromophenate W.I.P. Lot LD 95-7730
(Still mat'l to be centrifuged from batch above (in the reactor))

pm 4/25/95 10 30-gal Sulfuric Acid Containers Lot 5789 Presidential
Kramer

Drum of Carbon Brown

Drum of Hi-Flo Brown

pm 4/28 5 empty 1 drum of Ammonium Hydroxide Lot 5811 Kramer

1 drum of Hcl Acid Lot 5388 Brown

1 partial of Sod. Hydrosulfite Lot 5670 Brown

1 partial of Hampene Acid Lot 5669 Brown

1 drum of Nitric Acid Lot 5332 Brown

1 partial Bismuth Sod Nitrate Lot 5769 Not assigned

1 partial H2 SO4 Lot 5789 Brown

1 drum Sodium Hydroxide Lot 5523 Brown

pm 4/28 4 Hydrogen Cylinders MG Gas Co.

pm 4/28 2 Hydrogen Chloride Cylinders MG Gas Co.

3 Acetylene Cylinders MG Gas Co.

2 Carboys of Rhodine 2-1-3 To be inspected

1 drum Sodium Hypochlorite Brown

pm 4/28 2 Cylinders Nitrogen MG Gas Co.

Partial Inventory
April 27, 1995

Old PhBA Area

Loaded 38 4/28/94 38 drums of MPB w-i-p Lot LA957507

11 W.I.P. Drums of Lidocaine

11 Hydroxyzine Pamoate W.I.P. Drums

15 Methylparaben W.I.P.

5 Diak #1 W.I.P. (Flammable Solvent)

2 drums Sulfabenzamide (fibre drums)

Loaded 4/28/94 20 Kg. of Bismuth Tribromophenate W.I.P

1 Unknown fibre pak

Transporter

Presidential 4444434

Presidential

Presidential

Presidential

Presidential

Presidential

Presidential

For inspection

Partial Inventory
April 27, 1995

Fluorescein Room

Tansporter

2 drums of Cleaning solution (Sodium Hydroxide) Republic
Environmental

877490500

Partial Inventory
April 27, 1995

Outside Manufacturing Wall

12/21 Propane Cylinders

no part.

Transporter

Suburban Propane

NITRIC ACID

METHOXY PROPYLAMINE

1 SUPROPANOL

SULFURIC ACID



ATTACHMENT 10
Aerial Photographic Interpretation

877490503

ATTACHMENT 10

10. Aerial Photographic interpretation for sites larger than two acres from 1932 to present or to the earliest photograph available (Continued from page 8 of 11).

ENSR performed a review of available aerial photographs for the years 1940, 1951, 1953, 1961, 1971, 1974, and 1991 at the NJDEP Photo and Map Library in Trenton, New Jersey, and has obtained copies of aerial photographs for 1966, 1973, and 1993 from Robinson Aerial Surveys, Inc. ENSR also reviewed Lodi building department and fire department records, tax assessor and deed records, a 1933 and 1946 Lodi Directory, and Sanborn Fire Insurance Maps dated 1917, 1951 and 1968. Below is a summary of conclusions developed based on ENSR's review of available aerials and historical information sources:

- The Napp Technologies building, situated at 199 Main Street, appears to be unchanged since 1971. Aerial photographs were not available prior to 1940; however, the 1917 Sanborn Map shows the subject property as undeveloped land. From 1940 through 1968, the southern half of the subject site was occupied by a portion of a chemical works building that was connected to an off-site building extending to the south. During this time, facility parking was located on the north side of the chemical works building. The 1966 aerial photograph shows an unpaved area adjacent to the south side of the current facility parking lot, which was later paved and fenced-in for materials storage use. The 1968 Sanborn shows three separate structures that occupied the subject site which appear to have been remodeled by the previous owner in stages, between 1966 and 1971. In 1968, one office-type structure occupied the northeast corner of the subject property at the intersection of Main Street and Molnar Lane; a second structure was located at the northwest portion of the property; and the third structure was identified on the Sanborn map as a chemical works building, that extended off-site in a southerly direction along Main Street to the railroad right-of-way to the south. The 1971 aerial photograph shows the site as it existed approximately 1 year after Napp operations began. The property appeared essentially the same at that time as it was prior to the April 1995 explosion.
- In general, site buildings and structures have not changed dramatically since 1971-73. Napp Technologies occupied the building along 199-201 Main Street from 1973 to the present. During this time, facility parking was within a paved, fenced-in parking lot on the northwest portion of the property to the rear of the building. Southwest of the parking area was a paved area used for the storage of hazardous (toxic, corrosive, and flammable) liquids. This area was separated from the adjacent parking lot by a number of aboveground product storage tanks containing materials (e.g., muriatic acid, methanol, potassium hydroxide, propanol or isopropanol, and caustic) that Napp Technologies used to combine into product mixtures. Previously, B. L. Lemke & Co. operations stored muriatic acid, iso-propyl alcohol, ethyl acetate, methyl alcohol, and N-propyl alcohol in these tanks. A 6,000-gallon phenol tank and a 32 ton CO₂ tank were installed in 1985 in the rear yard to accommodate Napp's production activities.
- The Napp Technologies building is connected by a common wall to a larger building which historically extended approximately 800 feet in a southerly direction along Main Street to a former railroad right-of-way near Graham Lane. Over the years, as seen on the 1991 and 1974 aerials, portions of this adjacent building have been demolished and converted to other uses to suit the Main Street businesses.
- The area between the site buildings and the east bank of the Saddle River was undeveloped prior to 1961, aside from an unpaved roadway running in a southerly direction along the rear of the site buildings, from Molnar Lane toward Graham Lane. Based on observations of aerials taken between 1940 and 1961, the undeveloped area situated between the Saddle River and the roadway behind the subject site buildings has historically been subject to flooding.



ATTACHMENT 11
NJ Air Pollution Control Permits
Passaic Valley Sewerage Commissioners Permit

877490506

ATTACHMENT 11

11(A). New Jersey Air Pollution Control (continued)

Permit Number	Certificate Number	Date of Approval or Denial	Reason for Denial (if applicable)	Expiration Date
<u> </u>	<u>084934</u>	<u>5/17/88</u>	<u> </u>	<u>10/22/97</u>
<u> </u>	<u>085793</u>	<u>8/18/88</u>	<u> </u>	<u>10/25/97</u>
<u> </u>	<u>087225</u>	<u>10/24/88</u>	<u> </u>	<u>6/19/95</u>
<u> </u>	<u>091343</u>	<u>8/31/89</u>	<u> </u>	<u>1/31/95</u>
<u> </u>	<u>094953</u>	<u>5/11/90</u>	<u> </u>	<u>10/26/97</u>
<u> </u>	<u>111322</u>	<u>2/26/93</u>	<u> </u>	<u>5/21/94</u>
<u> </u>	<u>111892</u>	<u>3/30/93</u>	<u> </u>	<u>6/17/95</u>
<u> </u>	<u>114385</u>	<u>9/22/93</u>	<u> </u>	<u>6/13/95</u>
<u> </u>	<u>117745</u>	<u>7/21/94</u>	<u> </u>	<u>7/21/99</u>

11(E). Local government permits

As requested by NJDEP, a copy of the PVSC Sewer Connection Permit, Permit #17401142, is attached.

B.L.
F.S.

PASSAIC VALLEY SEWERAGE COMMISSIONERS

SEWER CONNECTION PERMIT

PERMIT # 17401142

(Please use the Permit Number on any correspondence with PVSC)
In compliance with the provisions of the Federal Water Pollution Control Act, its amendments, the Clean Water Act and the Rules and Regulations of the Passaic Valley Sewerage Commissioners:

Napp Chemicals, Inc.

(herein, after referred to as the Permittee)

is authorized to discharge from a facility located at

199 Main Street

Lodi, New Jersey 07644

to the Passaic Valley Sewerage Commissioners Treatment Works in accordance with discharge limitations, monitoring requirements and other conditions set forth herein.

EFFECTIVE DATE 02/24/91

EXPIRATION DATE 02/24/96

PASSAIC VALLEY SEWERAGE COMMISSIONERS

BY: 

EXECUTIVE DIRECTOR

877490508

CONDITIONS**A. GENERAL PROHIBITIONS**

1. No person shall discharge or deposit or cause or allow to be discharged or deposited into the treatment works or public sewer any waste which contains the following:

- a. **EXPLOSIVE MIXTURES**

Pollutants which create a fire or explosion hazard to the treatment works, collection system or to the operation of the system. Prohibited materials include, but are not limited to, gasoline, kerosene, naphta, benzene, toluene, xylene, ethers, etc.

- b. **CORROSIVE WASTES**

Any waste which will cause corrosion or deterioration of the treatment works. All wastes must have a pH not less than 5. Unless otherwise stated in the Sewer Connection Permit, all waste shall have a pH not more than 10.5. Prohibited materials include, but are not limited to, acids, sulfides, concentrated chloride or flouride compounds, etc.

- c. **SOLID OR VISCOUS WASTES**

Solid or viscous wastes which would cause obstruction to the flow in a sewer, or otherwise interfere with the proper operation of the treatment works. Prohibited materials include, but are not limited to, uncomminuted garbage, bones, hides or fleshings, cinders, sand, stove or marble dust, glass, etc.

- d. **OILS AND GREASE**

- (1) any industrial wastes containing floatable fats, wax, grease or oils.
- (2) any industrial wastes containing more than 100 mg/l of petroleum hydrocarbons.

- e. **NOXIOUS MATERIAL**

Noxious or malodorous solids, liquids or gases, which, either singly or by interaction with other wastes, are capable of creating a public nuisance or hazard to life, or are or may be sufficient to prevent entry into a sewer for its maintenance and repair.

- f. **RADIOACTIVE WASTES**

Radioactive wastes or isotopes of such half life or concentration that they do not comply with regulations or orders issued by the appropriate authority having control over their use and which will, or may cause damage or hazards to the treatment works or personnel operating the system.

g. EXCESSIVE DISCHARGE RATE

Industrial wastes discharged in a slug of such volume or strength so as to cause a treatment process upset and subsequent loss of treatment efficiency.

h. HEAT

- (1) any discharge in excess of 150⁰ F (65⁰ C)
- (2) Heat in amounts which would inhibit biological activity in the PVSC treatment works resulting in a treatment process upset and subsequent loss of treatment efficiency, but in no case shall heat be introduced into the PVSC treatment works in such quantities that the temperature of the influent waters at the treatment plant exceed 40⁰ C (104⁰ F).

i. UNPOLLUTED WATERS

Any unpolluted water including, but not limited to, cooling water or uncontaminated storm water, which will increase the hydraulic load on the treatment system, except as approved by PVSC.

j. WATER

Any water added for the purpose of diluting wastes which would otherwise exceed applicable maximum concentration limits.

2. No person shall discharge or convey, or permit to be discharged or conveyed, to the treatment works any wastes containing pollutants of such character or quantity that will:
 - a. Not be susceptible to treatment or interfere with the process or efficiency of the treatment system.
 - b. Violate pretreatment standards. As pretreatment standards for toxic or other hazardous pollutants are promulgated by USEPA for a given industrial category, all industrial users within that category must immediately conform to the USEPA timetable as well as any numeric limitations imposed by USEPA. In addition, an industrial user shall comply with any more stringent standards as determined by PVSC or other agency.
 - c. Cause the PVSC treatment plant to violate its NJPDES permit, applicable receiving water standards, permit regulating sludge which is produced during treatment or any other permit issued to PVSC.

B. INSTALLATION OF SAMPLERS

The permittee shall install a 24 hour composite sampler on Outlet #1 acceptable to PVSC with attachments for affixing seals,

which shall be maintained in proper working order at all times. The installed samplers shall draw a sample, over each operating day, which shall be representative of plant waste.

A one quart or one liter aliquot shall be set aside by (9:00am Outlet #1) each operating day and refrigerated. A PVSC representative may pick up this sample during the day. Any sample not picked up by PVSC may be discarded at the end of that day.

Permittee shall insure that the sample is maintained between 1⁰C-4⁰C during and after sample collection.

C. EFFLUENT LIMITATIONS, MONITORING AND COMPLIANCE REQUIREMENTS

1. During the period beginning (02/24/91) and lasting through (02/24/96) the permittee is authorized to discharge from outlet(s) number(ed) (17401141-37430-0171). Such discharge shall be monitored by the permittee as specified below. Volume to be determined from the incoming City meter less two (2) cooling tower make-up meters less one (1) boiler make-up meter . (Outlet #1).

EFFLUENT CHARACTERISTIC	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS		
		DAILY MAX	MEASUREMENT FREQUENCY	SAMPLE TYPE	REPORTING PERIOD
BOD (0310)	XXXXXX	XXXXXX	Weekly	24 hr. comp.	Quarterly
TSS (0530)	XXXXXX	XXXXXX	Weekly	24 hr. comp.	Quarterly
Volume	XXXXXX	XXXXXX	XXXXXX	XXXXXXX	Quarterly
pH (9000)	XXXXXX	5 to 10.5	Continuous	Recorder	*
LEL **	XXXXXX	XXXXXX	Continuous	Recorder	*

* Permittee to store pH and LEL Recorder Charts and have available for review by PVSC personnel on demand.

** Regulated as defined in Appendix B-201.7, Pretreatment Limitation #2 of PVSC Rules and Regulations.

C. EFFLUENT LIMITATIONS, MONITORING AND COMPLIANCE REQUIREMENTS

- During the period beginning (02/24/91) and lasting through (02/24/96) the permittee is authorized to discharge from outlet(s) number(ed) (17401142-37430-0171). Such discharge shall be monitored by the permittee as specified below. Volume to be determined from water consumption data. Outlet has separate water consumption meter. Sanitary waste only to be discharged from this outlet.(Outlet #2).

EFFLUENT CHARACTERISTIC	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS		
			MEASUREMENT FREQUENCY	SAMPLE TYPE	REPORTING PERIOD
BOD (0310)	XXXXXXX	XXXXXXX	N/A *	N/A	XXXXXX
TSS (0530)	XXXXXXX	XXXXXXX	N/A *	N/A	XXXXXX
Volume	XXXXXXX	XXXXXXX	XXXXXXX	XXXXXXX	Quarterly

* Concentration for User Charge to be determined from Residential Strength Standards.

C. EFFLUENT LIMITATIONS, MONITORING AND COMPLIANCE REQUIREMENTS

- During the period beginning (02/24/91) and lasting through (02/24/96) the permittee is authorized to discharge from outlet(s) number(ed) (17401141-37430-0171). Such discharge shall be monitored by the permittee as specified below. Volume to be determined from the incoming City meter less two (2) cooling tower make-up meters less one (1) boiler make-up meter. Permittee to submit volume in accordance with PVSC Pretreatment Monitoring Report Form MR-1.

40 CFR 439.36 Subpart C

EFFLUENT CHARACTERISTIC	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS		
	30 DAY AVERAGE	(a) mg/l DAILY MAX	MEASUREMENT FREQUENCY	SAMPLE TYPE	REPORTING PERIOD
CN (T)	9.4	33.5	Twice/Year	Grab	Semi-Annually
Volume	XXXXXX	XXXXXX	XXXXXX	XXXXXX	Semi-Annually
(a) If effluent from pharmaceutical processes is combined prior to the sampling point with either one or more plant sewers carrying process wastewater from other manufacturing processes or non pharmaceutical dilution wastewater, then the Combined Wastestream Formula described in 40 CFR 403.6 (e) shall be used to determine the discharge limitations.					

C. EFFLUENT LIMITATIONS, MONITORING AND COMPLIANCE REQUIREMENTS

During the period beginning (02/24/91) and lasting through (02/24/96) the permittee is authorized to discharge from outlet(s) numbered (17401141-37430-0171). Such discharge shall be monitored by the permittee as specified below. Volume to be determined from the incoming City meter less two (2) cooling tower make-up meters less one (1) boiler make-up meter. Permittee to submit volume in accordance with PVSC Pretreatment Monitoring Report Form MR-1.

40 CFR 414.85, Subpart H

EFFLUENT CHARACTERISTIC	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS		
	All units are in Micrograms per liter DAILY MAX.	MONTHLY AVG.	Measurement Frequency	Sample Type	Reporting Period
VOLUME	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	Semi-Annually
(a)	(a)	(a)	Twice/Year	(a)	Semi-Annually

(a) See Page 10 of 16, Section 2 ^E of this Permit for Effluent Characteristics, Daily and Monthly Discharge Limitations, and Sample Type.

- chemicals* *11901182*
2. In addition to the monitoring required in Section C.1. the Permittee is required to meet the following schedule of compliance:

- A. Analysis of wastewater parameters shall be performed by a laboratory that has been certified by the State of New Jersey.
- B. Pretreatment Compliance Requirements - Pharmaceutical Categorical Pretreatment Standards 40 CFR 439.

Permittee to be in compliance with Pharmaceutical Categorical Pretreatment Standards 40 CFR 439.36 Subpart C.

Permittee to submit a Periodic Compliance Monitoring Report Semi-Annually January 21 and July 21 in accordance with General Pretreatment Regulations 40 CFR 403.12 section (e).

- C. Pretreatment Compliance Requirements - Organic Chemicals Categorical Pretreatment Standards 40 CFR 414.

Permittee to be in compliance with Organic Chemicals Categorical Pretreatment Standards 40 CFR 414.85 Subpart H.

07/21/91 First Periodic Compliance Monitoring Report due. Permittee to submit a Periodic Compliance Monitoring Report Semi-Annually January 21 and July 21 in accordance with General Pretreatment Regulations 40 CFR 403.12 section (e).

- D. Permittee to submit as an attachment to the MR-2 Form Quarterly, a water balance showing the incoming water and volume discharged to each outlet.

E. Effluent Characteristics	Maximum for any one day	Maximum for monthly average	Sample Type
Benzene	134	57	Grab
Carbon Tetrachloride	380	142	Grab
Chlorobenzene	380	142	Grab
1,2,4-Trichlorobenzene	794	196	Composite
Hexachlorobenzene	794	196	Composite
1,2-Dichloroethane	574	180	Grab
1,1,1-Trichloroethane	59	22	Grab
Hexachloroethane	794	196	Composite
1,1-Dichloroethane	59	22	Grab
1,1,2-Trichloroethane	127	32	Grab
Chloroethane	295	110	Grab
Chloroform	325	111	Grab
1,2-Dichlorobenzene	794	196	Composite
1,3-Dichlorobenzene	380	142	Composite
1,4-Dichlorobenzene	380	142	Composite
1,1-Dichloroethylene	60	22	Grab
1,2-Trans-Dichloroethylene	66	25	Grab
1,2-Dichloropropane	794	196	Grab
1,3-Dichloropropylene	794	196	Grab
Ethylbenzene	380	142	Grab
Methylene Chloride	170	36	Grab
Methyl Chloride	295	110	Grab
Hexachlorobutadiene	380	142	Composite
Nitrobenzene	6402	2237	Composite
2-Nitrophenol	231	65	Composite
4-Nitrophenol	576	162	Composite
4,6-Dinitro-O-Cresol	277	78	Composite
Tetrachloroethylene	164	52	Grab
Toluene	74	28	Grab
Trichloroethylene	69	26	Grab
Vinyl Chloride	172	97	Grab
Total Cyanide	1200	420	Grab
Total Lead	690	320	Composite
Total Zinc	2610	1050	Composite

D. MONITORING AND REPORTING

1. USER CHARGE

Monitoring results obtained during the previous 3 months shall be reported on Discharge Monitoring Report Form MR-2. Reports are due January 21, April 21, July 21, October 21. The first report is due on (*). If an Industrial user fails to submit Form MR-2 on a timely basis, the Executive Director shall estimate the use for the period. The estimates may be made 30 days after the due date of the report, except for the fourth quarter where the estimates may be made after October 21.

2. PRETREATMENT

Monitoring results shall be reported on Discharge Monitoring Report Form, MR-1 Semi-Annually. Reports are due January 21 and July 21.

3. REPORTS

Properly signed reports required herein shall be submitted to PVSC at the following address:

**PASSAIC VALLEY SEWERAGE COMMISSIONERS
INDUSTRIAL WASTE CONTROL DEPARTMENT
600 Wilson Avenue
Newark, NJ 07105**

4. TEST PROCEDURES

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge. Test procedures for the analysis of pollutants shall conform to regulations contained in the PVSC Rules and Regulations, Federal, State and local laws or regulations.

5. RECORDING OF RESULTS

For each measurement of a sample taken pursuant to the requirements of this permit, the permittee shall maintain a record of the following information:

- a. The date, exact place and time of sampling;
- b. The dates the analyses were performed;
- c. The person (s) who performed the analysis;
- d. The analytical techniques or methods used;
- e. The results of all required analyses.

*Permittee has been required to submit Monitoring Reports MR-2 to PVSC since 4/15/81.

6. ADDITIONAL MONITORING BY PERMITTEE

If the permittee monitors any pollutant at the location (s) designated herein more frequently than required by this permit, using the approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the Discharge Monitoring Report Forms (PVSC Form MR-1 or MR-2). Such increased frequency shall also be indicated.

7. RECORDS RETENTION

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed, calibration and maintenance of instrumentation and recordings from continuous monitoring instrumentation shall be retained for a minimum of (5) years.

8. DEFINITIONS

- a. The "30 day average" discharge means the average of daily values for 30 consecutive monitoring days. For the purpose of enforcement of Pretreatment Standards, consecutive samples taken and analyzed shall be considered as being taken on consecutive days even though one or more non-sampling days intervene. In applying the Pretreatment Standards where more than one but less than 30 samples have been taken and analyzed during any month, a formula, specified by USEPA, will be used to calculate the "30 day average".
- b. The "daily maximum" discharge means the highest discharge by weight or other appropriate units, as specified herein, during any calendar day.
- c. "Daily" - each operating day.
- d. "Weekly" - one day each week during a normal operating day.
- e. "Monthly" - one day each month during a normal operating day.
- f. "Composite" - a combination of individual samples obtained at regular intervals over the entire discharge day.

The volume of each sample shall be proportional to the discharge flow rate unless specifically modified by PVSC. For a 24 hour continuous discharge, a minimum of 24 individual samples shall be collected at equal intervals and at least once per hour. For continuous discharges of less than 12 hours, individual samples shall be taken at least once every 30 minutes. For discharges which are not continuous, individual samples shall be taken such that they will be representative of plant waste.

- g. "Grab" - an individual sample collected in less than 15 minutes.
- h. "Quarterly" - every three (3) months.
- i. "N/A" - not applicable.

E. MANAGEMENT REQUIREMENTS

1. CHANGE IN DISCHARGES

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions, production increases, or modification which will result in new, different, or increased discharges of pollutants must be reported by submission of a new PVSC Sewer Connection Application or, if such changes will not violate the effluent limitations specified in this permit, by notices to PVSC of such changes. Following such notices, the permit may be modified to specify and limit any pollutants not previously limited.

2. NONCOMPLIANCE NOTIFICATION

If, for any reason, the permittee does not comply with, or will be unable to comply with any effluent limitation specified in this permit, the permittee shall notify PVSC within 24 hours of the occurrence.

If this report is made orally, a written report containing the following information, shall be submitted within five (5) working days:

- a. A description of the discharge and the cause of the period of noncompliance;
- b. The period of noncompliance, including exact dates and times, or, if not corrected, the anticipated time the noncompliance is expected to continue, and
- c. The steps being taken to reduce, eliminate and prevent a recurrence of the noncomplying discharge.

3. **FACILITIES OPERATION**

The permittee shall at all times maintain in good working order and operate as efficiently as possible all pretreatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.

4. **ADVERSE IMPACT**

The permittee shall take all reasonable steps to minimize any adverse impact to the PVSC Treatment Works resulting from noncompliance with any pretreatment limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge. This condition in no way affects PVSC's right to suspend a permit in order to stop a discharge which presents an imminent or substantial hazard to the public health, safety or welfare to the local environment or which interferes with the operation of the PVSC Treatment Works.

5. **REMOVED SUBSTANCES**

Solids, sludges, filter backwash or other pollutants or hazardous waste removed in the course of pretreatment or control of wastewaters and/or the treatment of intake waters shall be disposed of in accordance with applicable Federal, State and local laws and regulations. Records documenting such disposal shall be made available to PVSC for review upon request.

F. MANAGEMENT RESPONSIBILITIES

1. RIGHT OF ENTRY

The permittee shall allow the authorized representatives of PVSC, upon the presentation of credentials:

- a. To enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit; and
- b. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring methods required in this permit; and to sample any discharge of pollutants.

2. TRANSFER OF OWNERSHIP OR CONTROL

In the event of any change in control or ownership of facilities from which the authorized discharges emanate, the permittee shall, in writing, notify the succeeding owner or controller of the existence of this permit, and the need to apply for a new permit, a copy of which shall be forwarded to PVSC.

3. PERMIT MODIFICATION

After notice and opportunity for a hearing, this permit may be modified, or revoked in whole or in part during its terms for cause including, but not limited to, the following:

- a. Violation of any terms or conditions of this permit;
- b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
- c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

4. TOXIC POLLUTANTS

Notwithstanding (Section C), above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition), is established under Section 307 (b) of the Federal Water Pollution Control Act (the Act), its amendments, or any other subsequent law or regulation, for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the permittee so notified.

5. CIVIL AND CRIMINAL LIABILITY

Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.

6. STATE LAWS

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State Law or regulation under authority preserved by Section 510, of the Federal Water Pollution Control Act. (The Act)

7. PROPERTY RIGHTS

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

8. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstances, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

RONALD W. DIACONIA
CHAIRMAN

JAMES KRONE
VICE CHAIRMAN

ROBERT M. BURKE, JR.
THOMAS J. CIFELLI
DOMINIC W. CUCCINELLO
RAYMOND LUCHINO
FRANK ORECHIO
DONALD TUCKER
COMMISSIONERS

Sewerage Commissioners

600 WILSON AVENUE
NEWARK, N.J. 07105
(201) 344-1800
Fax: (201) 344-2951

3.2
ROBERT J. DAVENPORT
DEPUTY EXECUTIVE DIRECTOR

GABRIEL M. AMBROSIO
CHIEF COUNSEL

LOUIS LANZILLO
CLERK

July 21, 1993

Napp Chemicals, Inc.
199 Main Street
P.O. Box 900
Lodi, New Jersey 07644

Certified Mail
P 093 844 244

Attn: Lawrence Angilella

RE: REVISIONS TO SEWER CONNECTION PERMIT

Dear Mr. Angilella:

Enclosed are the revisions to your Industrial Sewer Connection Permit. Please review and attach these changes to your existing Permit accordingly.

Very truly yours,

PASSAIC VALLEY SEWERAGE COMMISSIONERS

Frank P. D'Ascensio

Frank P. D'Ascensio,
Manager of Industrial & Pollution Control

FPD/mc

Enclosures

cc: Borough of Lodi

877490524

PASSAIC VALLEY SEWERAGE COMMISSIONERS

SEWER CONNECTION PERMIT

PERMIT # 17401142

(Please use the Permit Number on any correspondence with PVSC)
In compliance with the provisions of the Federal Water Pollution Control Act, its amendments, the Clean Water Act and the Rules and Regulations of the Passaic Valley Sewerage Commissioners:

Napp Chemicals, Inc.

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199 Main Street

Lodi, New Jersey 07644

to the Passaic Valley Sewerage Commissioners Treatment Works in accordance with discharge limitations, monitoring requirements and other conditions set forth herein.

EFFECTIVE DATE 02/24/91

EXPIRATION DATE 02/24/96

PASSAIC VALLEY SEWERAGE COMMISSIONERS

BY: 

EXECUTIVE DIRECTOR

877490525

ADDITIONAL REQUIREMENTS SECTION C2 CONTINUED:

EFFLUENT CHARACTERISTICS	VOLUME* MGD	REGULATION CONCENTRATIONS		PERMIT LIMITS		Sample Type
		LIMITS $\mu\text{g/l}$		MASS LIMITS Kg/day		GRAB/COMPOSITE
		AVG	MAX	AVG	MAX	
Benzene	0.050451	57	134	0.01090	0.02563	GRAB
Carbon Tetrachloride	0.050451	142	380	0.02716	0.07268	GRAB
Chlorobenzene	0.050451	142	380	0.02716	0.07268	GRAB
1,2,4,-Trichlorobenzene	0.050451	196	794	0.03749	0.15186	COMPOSITE
Hexachlorobenzene	0.050451	196	794	0.03749	0.15186	COMPOSITE
1,2-Dichloroethane	0.050451	180	574	0.03443	0.10978	GRAB
1,1,1-Trichloroethane	0.050451	22	59	0.00421	0.01128	GRAB
Hexachloroethane	0.050451	196	794	0.03749	0.15186	COMPOSITE
1,1-Dichloroethane	0.050451	22	59	0.00421	0.01128	GRAB
1,1,2-Trichloroethane	0.050451	32	127	0.00612	0.02429	GRAB
Chloroethane	0.050451	110	295	0.02104	0.05642	GRAB
Chloroform	0.050451	111	325	0.02123	0.06216	GRAB
1,2-Dichlorobenzene	0.050451	196	794	0.03749	0.15186	COMPOSITE
1,3-Dichlorobenzene	0.050451	142	380	0.02716	0.07268	COMPOSITE
1,4-Dichlorobenzene	0.050451	142	380	0.02716	0.07268	COMPOSITE
1,1-Dichloroethylene	0.050451	22	60	0.00421	0.01148	GRAB
1,2-Trans-Dichloroethylene	0.050451	25	66	0.00478	0.01262	GRAB
1,2-Dichloropropane	0.050451	196	794	0.03749	0.15186	GRAB
1,3-Dichloropropylene	0.050451	196	794	0.03749	0.15186	GRAB
Ethylbenzene	0.050451	142	380	0.02716	0.07268	GRAB
Methylene Chloride	0.050451	36	170	0.00689	0.03251	GRAB
Methyl Chloride (Chloromethane)	0.050451	110	295	0.02104	0.05642	GRAB
Hexachlorobutadiene	0.050451	142	380	0.02716	0.07268	COMPOSITE
Nitrobenzene	0.050451	2237	6402	0.42784	1.22442	COMPOSITE
2-Nitrophenol	0.050451	65	231	0.01243	0.04418	COMPOSITE
4-Nitrophenol	0.050451	162	576	0.03098	0.11016	COMPOSITE
4,6-Dinitro-O-Cresol	0.050451	78	277	0.01492	0.05298	COMPOSITE
Tetrachloroethylene	0.050451	52	164	0.00995	0.03137	GRAB
Toluene	0.050451	28	74	0.00536	0.01415	GRAB
Trichloroethylene	0.050451	26	69	0.00497	0.01320	GRAB
Vinyl Chloride	0.050451	97	172	0.01855	0.03290	GRAB
Total Cyanide	0.050451	1084	3588	0.20732	0.68622	GRAB
Total Lead	0.050451	320	690	0.06120	0.13197	COMPOSITE
Total Zinc	0.050451	1050	2610	0.20082	0.49918	COMPOSITE

*REGULATED VOLUME = MGD DURING 1992 PRODUCTION YEAR.

OF PRODUCTION DAYS = 368

MASS LIMITS (g/DAY, #/DAY, Kg/DAY, ETC.) = COLUMN C X COLUMN D or E X CONVERSION FACTOR(S).

COLUMN C = VOLUME

COLUMN D = AVERAGE REGULATED CONCENTRATION.

COLUMN E = MAXIMUM REGULATED CONCENTRATION.

P. TOTAL CYANIDE REGULATION CONCENTRATIONS WERE FIRST ADJUSTED DUE TO THE COMBINED WASTESTREAM WITH THE 40 CFR 439 REGULATION.

REV: 07/93

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ATTACHMENT 12B
Summary of Enforcement Actions

ATTACHMENT 12B

12(B). Summary of enforcement actions (including but not limited to, Notice of Violations, Court Orders, official notices or directives) for violations of environmental laws or regulations:

Name & address of agency that initiated the enforcement action	Date of the enforcement action	Section of statute, rule or permit allegedly violated	Type of enforcement action	Description of the violation	How was the violation resolved?
Passaic Valley Sewerage Commissioners (PVSC)	2/2/87	PVSC Rules and Regulations Section 316.4	Notice of violation	Late submission of required 90 day compliance report	Napp instructed to forward report within five days. No fines imposed.
PVSC	12/1/88	PVSC Rules and Regulations, Appendix B Pretreatment Limitation No. 2	Notice of violation	2 unreported excursions on LEL recorder charts (10/17/88 and 10/27/88)	Corrective action plan submitted
PVSC	12/29/88	PVSC Rules and Regulations Section 312.1(B) and 314.1	Notice of violation	pH excursions	No fines or further actions required
PVSC	3/14/89	PVSC Rules and Regulations Section 317.3	Notice of violation	Failure of continuous pH monitor	No fine imposed or corrective action required
PVSC	4/4/89	PVSC Rules and Regulations Section 317.3	Notice of violation	Failure to continuously monitor facility outfall	No fines or further action required
PVSC	4/25/89	PVSC Rules and Regulations Section 312.1(B)	Notice of violation	pH excursion due to a problem with pH meter (calibration)	Equipment modifications and additions implemented. No fines or further action required.

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ATTACHMENT 12B (continued)

Name & address of agency that initiated the enforcement action	Date of the enforcement action	Section of statute, rule or permit allegedly violated	Type of enforcement action	Description of the violation	How was the violation resolved?
PVSC	4/27/90	PVSC Rules and Regulations Section 312.1(B) and 315.2	Notice of violation	pH excursion	No fines or further action required
PVSC	4/30/90	Appendix B, Pretreatment Limitation No. 2 of PVSC Rules and Regulations	Notice of violation	Alleged discharge of toluene setting off lower explosive limit alarm	Additional housekeeping procedures to improve handling and treatment of plant materials were implemented
PVSC	6/29/90	N.J.S.A. 58:14-1 et seq, PVSC Rules and Regulations (312.1(B), 314.1, 317.3, 316.4 and Appendix B, Pretreatment Limitation No. 2) and sewer connection permit #17401142	Lawsuit	Alleged exceedance of pH limit and Lower Explosive Levels established by indirect discharge sewer permit	Settled. A new effluent treatment system was installed pursuant to a consent order dated March 8, 1991.
PVSC	7/16/90	PVSC Rules and Regulations Section 312.1(B)	Notice of violation	pH excursion	No fines or further action required
PVSC	3/11/91	Section 403.12(e) of Federal General Pretreatment Regulations	Notice of violation	Failure to provide complete better record report to demonstrate compliance with applicable pretreatment limitations	Submitted complete report

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ATTACHMENT 12B (continued)

Name & address of agency that initiated the enforcement action	Date of the enforcement action	Section of statute, rule or permit allegedly violated	Type of enforcement action	Description of the violation	How was the violation resolved?
PVSC	4/5/91	PVSC Rules and Regulations Section 312.1(B)	Notice of violation	pH excursion	Continuation of actions consistent with previously established compliance schedule. No fines imposed.
PVSC	3/25/93	40 CFR 439; PVSC Rules and Regulations Section 313.1	Notice of violation	Elevated cyanide levels	No fine imposed or further action required
PVSC	12/23/93	40 CFR 414, N.J.S.A. 58:14-1 et seq., N.J.S.A. 58:10A-1 et seq.	Lawsuit	Exceeded OCPSF discharge limitations; failure to comply with PVSC directives	Settled for \$2,000
NJDEP	10/14/94	N.J.A.C. 7:27-8.3(c)1	Administrative Order and Notice of Civil Administrative Penalty Assessment for \$200	Failure to file amendment to permit and certificate when company changed its name	On appeal to the Office of Administrative Law
NJDEP	10/14/94	N.J.A.C. 7:27-8.3(a)	Administrative Order and Notice of Civil Administrative Penalty Assessment for \$1,200	Construction, installation or alteration of air pollution emitting equipment without obtaining required permits	Matter appealed to the Office of Administrative Law
NJDEP	10/14/94	N.J.A.C. 7:27-8.3(e)1	Administrative Order and Notice of Civil Administrative Penalty Assessment for \$8,000	Failure to operate air pollution emitting equipment in compliance with certificates	Matter appealed to the Office of Administrative Law

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ATTACHMENT 12B (continued)

Name & address of agency that initiated the enforcement action	Date of the enforcement action	Section of statute, rule or permit allegedly violated	Type of enforcement action	Description of the violation	How was the violation resolved?
NJDEP	12/21/94	N.J.A.C. 7:1E-2.2(a)4	Notice of violation and Civil Administrative Penalty Assessment	Failure to conduct initial integrity testing on 3 ASTs and appurtenant piping by the scheduled date (August 1993)	Integrity testing conducted; settled with \$750 penalty.

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ATTACHMENT 13

Site Map

USGS Site Location Map

NOTICE ABOUT OVERSIZED MAP

THIS MAP CAN BE FOUND IN THE SITE FILE LOCATED AT: U.S. EPA SUPERFUND RECORDS CENTER, 290 BROADWAY, 18TH FLOOR, NY, NY 10007. TO MAKE AN APPOINTMENT TO VIEW THE MATERIAL PLEASE CONTACT THE RECORD CENTER AT (212) 637-4308.

NO.	DATE	REVISIONS	BY	CH'KD	APP'VD
 ENSR CONSULTING, ENGINEERING, AND REMEDIATION					
AREAS OF CONCERN					
NAPP TECHNOLOGIES, INC. LODI, NEW JERSEY					
DRAWN: WLH		DATE: 1/98		FIGURE NUMBER 13-1	
SCALE: 1" = 20'		PROJECT NUMBER 9500-196-10A		DRAWING NUMBER 9500-15D	

877490535



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